

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

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W. M. STEUART, DIRECTOR

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FOURTEENTH CENSUS OF THE UNITED STATES

STATE COMPENDIUM
UTAH

STATISTICS OF POPULATION, OCCUPATIONS, AGRICULTURE,
IRRIGATION, DRAINAGE, MANUFACTURES, AND
MINES AND QUARRIES FOR THE STATE,
COUNTIES, AND CITIES



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DEPARTMENT OF COMMERCE.

HERBERT HOOVER, SECRETARY OF COMMERCE.

BUREAU OF THE CENSUS.

Chief functions.

The taking of the decennial census covering population, agriculture, manufactures, mines and quarries, and forest products.

Decennial report on wealth, public debt, and taxation, including principal financial statistics on Federal, state, county, city, and township governments.

Annual financial statistics of state and municipal governments—Sources of revenue, objects of payments, debt and tax levies.

Decennial statistics relating to inmates of institutions, including paupers, insane, prisoners, and juvenile delinquents.

A census of agriculture in each middecennial year, a biennial census of manufactures, a quinquennial census of electrical public utilities, statistics of marriage and divorce.

Annual statistics of births, deaths, causes of death, etc., in the registration area of the United States.

Quarterly statistics of leaf tobacco stocks and of production, stocks, and consumption of fats and oils.

Monthly or semimonthly statistics of cotton ginning; cotton stocks and consumption; the production, stocks, and consumption of hides and leather; the production of shoes; and statistics of active textile machinery and of movements in an increasing number of other industries.

The compilation and publication, in the "Survey of Current Business," of monthly commercial and industrial statistics.

BUREAU OF FOREIGN AND DOMESTIC COMMERCE.

Chief functions.

The compilation of timely information concerning world market conditions and openings for American products in foreign countries secured through commercial attachés and trade commissioners of the Department of Commerce and the foreign service of the Department of State. The distribution of such information to American business through weekly "Commerce reports," special bulletins, confidential circulars, the news and trade press, correspondence, and personal contact.

The maintenance of commodity, technical, and geographical divisions to afford special service to American export industries.

The compilation and distribution of names of possible buyers and agents for American products in all parts of the world and the publication of weekly lists of specific sales opportunities abroad.

The maintenance of district and cooperative offices in many cities in the United States to expedite delivery of market information to business men and to keep the department advised as to the urgent requirements of American trades and industries.

The publication of official statistics on imports and exports.

The study of the processes of domestic trade and commerce, with a view to their improvement and the dissemination of information obtained for the benefit of the public, as well as of those directly concerned.

BUREAU OF STANDARDS.

Chief functions.

Custody of standards of measurement, quality, performance, or practice adopted or recognized by the Government. Development and construction of such standards when necessary. Testing and calibration of apparatus and comparison of standards used by scientific or other institutions with those in the custody of the bureau.

Determination of physical constants and properties of materials.

The testing of materials and the establishment of standards and processes in cooperation with commercial firms or organizations.

Researches covering structural, engineering, and miscellaneous materials, radio, radium, mechanical appliances, sugar technology, leather, paper, rubber, and textiles, clay products, glass, and refractories, metals and metallurgy, and similar groups of subjects.

The collection and dissemination of information showing approved methods in building, planning, and construction, including building materials and codes and such other matters as may encourage, improve, and cheapen construction and housing.

Studies on simplified commercial practices and the establishment of such practices through cooperative business organizations.

The Bureau publishes six series of scientific and technical publications, reporting the results of its researches and giving technical data fundamental to industry.

The Director of the Bureau has supervision of the preparation of technical specifications through the Federal Specifications Board.

Circulars listing the publications of the various bureaus will be mailed on application to the bureau.

BUREAU OF FISHERIES.

Chief functions.

The propagation of useful food fishes, including lobsters, oysters, and other shellfish, and their distribution to suitable waters.

Investigations of fish culture, fish diseases, and for the conservation of fishery resources and the development of commercial fisheries.

The study of the methods of the fisheries and fishery industries and the utilization of fishery products.

The collection of statistics of fisheries.

The administration of the Alaska salmon fisheries and the fur-seal herd on the Pribilof Islands.

The administration of the law for the protection of sponges off the coast of Florida.

BUREAU OF LIGHTHOUSES.

Chief functions.

The establishment and maintenance of lighthouses, lightships, buoys, and other aids to navigation on the sea and the lake coasts and on the rivers of the United States, including Alaska, Hawaiian Islands, and Porto Rico.

The publication of Light Lists, Buoy Lists, and Notices to Mariners, including information regarding all aids to navigation maintained by the Lighthouse Service.

COAST AND GEODETIC SURVEY.

Chief functions.

The survey of the coasts of the United States and the publication of charts needed for the navigation of the adjacent waters, including Alaska, the Philippine Islands, Hawaii, Porto Rico, the Virgin Islands, and the Canal Zone.

A comprehensive geodetic system, extending into the interior, connects and coordinates the surveys of the coasts, and is designed to furnish accurately determined points and elevations in all parts of the country. These are available as a basis for Federal, state, and municipal surveys, and engineering projects of every kind. The magnetic declination has been determined at a large number of stations throughout the country and the results are available for the use of surveyors and engineers.

The technical operations include base measure, triangulation, traverse, precise leveling, the determination of latitude and azimuth, the determination of difference of longitude by telegraph or radio, magnetic observations and researches, the preparation of magnetic maps, the determination of the force of gravity, topography, hydrography, deep-sea soundings, water temperatures, tidal and current observations.

The results are published in the form of charts on various scales, annual reports, coast pilots, tide tables (published annually in advance), current tables, digests of geodetic publications, and special publications.

BUREAU OF NAVIGATION.

Chief functions.

General superintendence of commercial marine and merchant seamen.

Supervision of registering, enrolling, licensing, numbering, etc., of vessels under the United States flag and the annual publication of a list of such vessels.

The enforcement of the navigation and steamboat inspection laws and the laws governing radio communication, as well as duties connected with fees, fines, tonnage taxes, refunds, etc., originating under such laws.

STEAMBOAT INSPECTION SERVICE.

Chief functions.

The inspection of vessels, the licensing of the officers of vessels, and the administration of laws relating to such vessels and their officers.

The certification of able seamen who form the crews of merchant vessels.

The inspection of vessels, including the types of boilers; the testing of all materials subject to tensile strain in marine boilers; the inspection of hulls and of life-saving equipment.

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SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES,

DIVISION AND STATE	POPULATION, JAN. 1, 1920.													
	POPULATION, BY SEX.			NATIVE WHITE POPULATION.		FOREIGN-BORN WHITE POPULATION.		NEGRO POPULATION.		POPULATION 7 TO 20 YEARS OF AGE.		POPULATION 10 YEARS OF AGE AND OVER.		
	Total ¹	Male.	Female.	Native parentage.	Foreign or mixed parentage.	Number.	Per cent of total.	Number.	Per cent of total.	Total.	Attendance school.	Total.	Num-ber.	Per cent.
1 United States..	105,710,620	53,900,431	51,810,189	58,421,057	22,686,204	13,712,754	13.0	10,463,131	9.9	28,564,716	19,451,851	82,739,315	4,931,905	6.0
2 GEOGRAPHIC DIVS.:														
3 New England.....	7,400,909	3,672,591	3,728,318	2,803,146	2,642,276	1,870,654	25.3	70,051	1.1	1,768,290	1,223,023	5,945,989	280,700	4.9
4 Middle Atlantic.....	22,261,144	11,206,445	11,054,699	9,631,012	7,098,253	4,912,575	22.1	600,183	2.7	5,627,757	3,745,568	17,665,354	865,982	4.9
5 E. North Central.....	21,475,543	11,035,041	10,440,502	11,790,302	5,925,213	3,233,279	15.0	514,554	2.4	5,350,637	3,728,706	17,130,929	495,470	2.9
6 W. North Central.....	12,544,249	6,459,087	6,085,182	7,475,548	3,377,873	1,371,961	10.9	278,592	2.2	3,393,143	2,420,929	9,889,740	193,221	2.0
7 South Atlantic.....	13,090,272	7,035,843	6,954,429	8,779,416	553,604	315,920	2.3	4,325,120	30.9	4,322,620	2,818,406	10,513,447	1,212,042	11.5
8 E. South Central.....	8,803,307	4,471,600	4,421,617	6,002,782	202,328	71,939	0.8	2,523,352	28.4	2,518,395	1,855,659	6,677,229	845,459	12.7
9 W. South Central.....	10,242,224	5,265,829	4,976,395	6,059,783	690,609	459,333	4.5	2,063,579	20.1	3,259,000	2,097,598	7,739,536	773,637	10.0
10 Mountain.....	3,336,101	1,789,299	1,546,802	2,002,508	757,166	453,225	13.6	30,801	0.9	896,406	656,638	2,564,463	132,659	5.2
Pacific.....	5,566,871	2,904,626	2,602,245	2,887,387	1,432,379	1,033,808	18.6	47,700	0.0	1,227,268	900,734	4,611,771	123,435	2.7
11 NEW ENGLAND:														
12 Maine.....	768,014	388,752	379,262	495,780	162,566	107,349	14.0	1,310	0.2	188,822	134,299	621,233	20,240	3.3
13 New Hampshire.....	443,033	222,112	220,971	225,512	125,586	91,233	20.6	621	0.1	104,581	73,003	361,030	12,788	4.4
14 Vermont.....	352,428	178,854	173,574	223,325	78,968	44,526	12.6	572	0.2	87,302	62,544	284,472	8,488	3.0
15 Massachusetts.....	3,852,356	1,890,014	1,902,342	1,230,773	1,495,217	1,077,534	28.0	45,466	1.2	907,212	633,124	3,106,769	140,607	4.7
16 Rhode Island.....	604,397	297,524	306,873	173,553	246,928	173,499	28.7	10,036	1.7	149,774	95,499	483,788	31,312	6.5
Connecticut.....	1,380,631	695,335	685,296	449,206	533,013	376,513	27.3	21,046	1.5	330,590	225,094	1,087,797	67,265	6.2
17 MIDDLE ATLANTIC:														
18 New York.....	10,395,227	5,187,350	5,197,877	3,668,266	3,717,649	2,788,112	26.8	198,483	1.9	2,461,206	1,656,905	8,402,786	425,022	5.1
19 New Jersey.....	3,155,900	1,500,075	1,505,825	1,212,675	1,085,799	738,613	23.4	117,132	3.7	768,040	525,379	2,494,246	127,601	5.1
Pennsylvania.....	8,720,017	4,429,020	4,290,997	4,750,071	2,294,805	1,387,850	15.9	284,508	3.3	2,280,411	1,563,676	6,769,322	312,639	4.6
20 E. NORTH CENTRAL:														
21 Ohio.....	5,750,394	2,955,980	2,803,414	3,669,122	1,224,074	678,697	11.8	186,187	3.2	1,380,799	989,417	4,624,456	131,006	2.8
22 Indiana.....	2,930,390	1,489,074	1,441,316	2,320,544	368,659	150,888	5.1	80,810	2.8	745,281	515,237	2,350,214	52,034	2.2
23 Illinois.....	6,485,280	3,304,833	3,180,447	3,036,936	2,025,518	1,206,051	18.6	182,274	2.8	1,610,947	1,103,216	5,184,943	173,987	3.4
24 Michigan.....	3,668,412	1,928,436	1,739,978	1,670,447	1,204,545	726,635	19.8	60,082	1.6	893,744	626,165	2,895,506	88,046	3.0
Wisconsin.....	2,632,007	1,350,718	1,275,349	1,054,094	1,102,116	400,128	17.5	5,201	0.2	704,966	489,671	2,069,567	50,397	2.4
25 W. NORTH CENTRAL:														
26 Minnesota.....	2,887,125	1,245,537	1,141,588	827,027	1,055,145	486,164	20.4	8,809	0.4	643,287	451,096	1,877,132	34,487	1.8
Iowa.....	2,404,021	1,229,392	1,174,629	1,528,553	629,981	225,647	9.4	19,005	0.8	627,248	454,078	1,913,155	20,680	1.1
27 Missouri.....	3,404,055	1,723,319	1,630,736	2,536,036	502,082	186,026	5.5	178,241	5.2	901,604	624,395	2,737,771	83,403	3.0
28 North Dakota.....	646,872	341,673	305,199	207,086	300,485	131,503	20.3	467	0.1	108,020	148,289	470,210	0,037	2.1
29 South Dakota.....	636,547	337,120	290,427	305,598	228,158	82,391	12.9	832	0.1	181,271	131,943	482,195	8,109	1.7
30 Nebraska.....	1,296,372	672,805	623,567	1,280,064	372,503	149,652	11.5	13,242	1.0	358,143	256,981	1,012,652	13,784	1.4
Kansas.....	1,709,257	909,221	800,036	1,308,804	280,524	110,578	6.2	57,925	3.3	483,480	356,167	1,390,725	22,821	1.6
31 SOUTHERN ATLANTIC:														
32 Delaware.....	223,003	113,755	109,248	139,876	32,929	19,810	8.9	30,335	13.6	54,739	37,759	178,930	10,508	5.9
33 Maryland.....	1,440,661	729,455	720,206	893,088	209,472	102,177	7.0	244,479	16.9	381,106	249,056	1,155,053	64,434	5.6
34 Dist. Columbia.....	437,571	203,543	224,028	239,488	58,524	28,548	6.5	109,968	25.1	89,631	58,005	377,295	10,509	2.8
35 Virginia.....	2,309,187	1,168,492	1,140,695	1,534,494	52,630	30,785	1.3	690,017	29.9	709,980	460,037	1,748,888	195,159	11.2
36 West Virginia.....	1,463,701	763,100	700,601	1,232,857	82,472	61,906	4.2	86,345	5.9	437,703	297,044	1,083,239	69,413	0.4
37 North Carolina.....	2,559,123	1,279,062	1,280,061	1,765,203	11,477	7,099	0.3	763,407	29.8	830,574	576,239	1,844,673	241,603	13.1
38 South Carolina.....	1,683,724	838,293	845,431	790,418	12,719	6,401	0.4	804,719	51.4	576,564	393,077	1,219,316	220,667	18.1
39 Georgia.....	2,895,832	1,444,823	1,451,009	1,642,697	30,231	10,186	0.6	1,206,365	41.7	953,304	570,386	2,150,230	328,838	15.3
40 Florida.....	968,470	495,320	473,150	532,295	62,850	43,008	4.4	329,487	34.0	280,719	179,803	751,787	71,811	9.6
41 E. SOUTH CENTRAL:														
42 Kentucky.....	2,416,630	1,227,494	1,189,136	2,039,134	110,646	30,780	1.3	235,938	9.8	717,687	480,526	1,837,434	155,014	8.4
Tennessee.....	2,337,885	1,173,967	1,163,918	1,832,757	37,758	15,478	0.7	451,758	10.3	724,688	488,543	1,770,762	182,629	10.3
43 Alabama.....	2,348,174	1,173,105	1,175,069	1,394,129	35,241	17,602	0.8	900,652	38.4	774,048	499,888	1,730,421	278,082	16.1
44 Mississippi.....	1,700,618	897,124	893,494	826,762	19,181	8,019	0.4	935,184	52.2	602,192	389,702	1,338,612	229,734	17.2
45 W. SOUTH CENTRAL:														
46 Arkansas.....	1,752,204	895,228	856,976	1,226,692	39,090	13,975	0.8	472,220	27.0	569,870	375,115	1,302,905	121,837	9.4
Louisiana.....	1,798,500	903,335	895,174	941,724	110,016	44,871	2.5	708,257	38.9	574,202	327,546	1,366,066	299,092	21.9
Oklahoma.....	2,028,283	1,058,044	970,239	1,378,107	102,119	39,908	2.0	149,408	7.4	647,030	444,247	1,513,051	56,804	3.8
Texas.....	4,663,228	2,409,222	2,254,008	3,112,262	445,384	300,519	7.7	741,694	15.0	1,406,989	950,688	3,550,614	295,844	8.3
47 MOUNTAIN:														
48 Montana.....	548,889	299,941	248,943	275,803	164,837	93,620	17.1	1,658	0.3	135,886	102,621	421,448	9,544	2.3
Idaho.....	431,866	233,919	197,947	249,252	92,453	38,903	9.0	920	0.2	122,278	93,027	320,051	4,024	1.5
Wyoming.....	194,402	110,359	84,043	122,884	42,007	25,255	13.0	1,375	0.7	47,474	34,387	150,993	3,149	2.1
Colorado.....	839,029	492,731	446,808	603,041	204,108	116,954	12.4	11,318	1.2	239,026	178,745	747,485	24,208	3.2
New Mexico.....	360,350	199,458	169,394	273,317	32,279	29,077	8.1	5,733	1.6	109,738	75,119	267,595	41,637	15.6
Arizona.....	354,182	183,602	151,145	150,560	12,205	78,099	23.4	8,005	2.4	89,464	54,387	255,401	39,131	15.3
Utah.....	449,396	232,051	217,345	245,781	139,665	56,455	12.6	1,446	0.3	130,039	107,908	331,530	6,264	1.9
Nevada.....	77,407</													

FOR POPULATION, AGRICULTURE, MANUFACTURES, AND MINES AND QUARRIES.

[Table continued on following page.]

POPULATION, JAN. 1, 1920.								AGRICULTURE.								
POPULATION 21 YEARS OF AGE AND OVER.								LAND IN FARMS, 1920								
All classes.			Foreign-born white.			Negro.		Farm population, 1920	Number of farms, 1920	Per cent operated by tenants.	Total (acres).			Average per farm.		Per cent improved.
Total.	Illiterate.		Native white.	Total.		Naturalized.	Per cent illiterate.				Total.	Number	Average per farm.	Improved (acres).	Per cent improved.	
	Number.	Per cent.		Total.	Naturalized.	Per cent illiterate.	Total.	Number	Average per farm.	Improved (acres).	Total (acres).	Number	Per cent improved.	Improved (acres).	Per cent improved.	
60,386,520	4,333,111	7.1	42,614,741	12,498,720	6,208,697	13.7	5,522,475	27.4	31,614,269	6,448,343	38.1	955,883,715	148.2	503,073,007	52.6	1
4,591,477	280,826	6.1	2,829,337	1,705,291	755,527	14.8	52,315	8.5	625,877	156,564	7.4	16,990,642	108.5	6,114,601	36.0	2
13,451,630	843,582	6.3	8,549,666	4,477,752	2,024,610	16.7	409,441	6.0	1,892,789	425,147	20.7	20,562,107	95.4	20,562,107	55.5	3
13,025,595	480,298	3.7	9,676,916	2,978,575	1,576,067	11.4	356,341	8.7	4,913,633	1,084,744	28.1	117,735,179	108.5	87,894,835	74.7	4
7,278,648	180,616	2.5	5,777,875	1,291,794	874,132	6.5	187,865	12.5	4,171,596	1,096,951	34.2	256,973,223	234.3	171,394,439	66.7	5
7,212,523	1,000,764	14.0	4,805,660	287,231	131,423	13.5	2,111,952	31.5	6,416,628	1,158,976	46.8	97,775,243	84.4	48,509,886	49.6	6
4,523,944	700,098	15.5	3,171,417	67,215	38,333	9.3	1,284,069	34.1	5,182,937	1,051,600	49.7	78,897,463	75.0	44,350,132	53.3	7
5,243,779	611,363	11.7	3,796,823	357,220	114,258	29.1	1,002,244	30.5	5,228,199	996,088	52.9	173,449,127	174.1	64,180,606	37.0	8
1,388,921	113,384	6.0	1,421,859	304,008	210,364	12.7	23,881	5.8	1,163,367	244,109	15.4	117,337,226	480.7	30,105,868	25.7	9
3,670,077	116,240	3.2	2,584,988	930,023	482,872	8.8	34,307	5.4	1,014,173	234,164	20.1	56,152,705	239.8	23,921,633	42.6	10
475,191	18,572	3.9	370,356	94,320	40,470	12.0	876	6.8	197,601	48,227	4.2	5,425,968	112.5	1,977,329	36.4	11
281,026	15,257	5.4	105,481	82,049	36,021	16.4	388	7.7	76,021	20,523	6.7	2,603,806	120.9	702,902	27.0	12
217,042	8,152	3.8	178,442	38,232	19,825	12.5	342	8.2	125,263	29,075	11.6	4,235,811	145.7	1,691,595	39.9	13
2,411,507	142,750	5.9	1,389,441	988,913	441,416	13.5	80,412	8.2	118,554	32,001	7.1	2,494,477	77.9	905,884	36.4	14
308,637	30,319	8.2	204,916	156,866	78,175	17.5	6,554	12.5	15,136	4,083	15.5	331,600	81.2	132,855	40.1	15
388,074	65,776	7.8	478,701	344,902	139,011	18.1	17,743	7.5	93,302	22,655	8.5	1,898,980	83.8	701,086	36.0	16
6,514,681	415,350	6.4	3,832,852	2,528,497	1,153,813	15.2	142,544	3.4	800,747	193,195	19.2	20,632,803	100.8	13,158,781	63.8	17
1,397,884	124,358	6.6	1,145,506	675,222	305,516	16.3	75,671	7.5	143,708	29,702	23.0	2,282,585	76.8	1,555,607	68.2	18
5,039,001	303,865	6.0	3,571,608	1,274,033	565,290	20.1	191,226	7.3	948,334	202,250	21.9	17,657,513	87.3	11,347,719	67.1	19
3,558,481	126,045	3.6	2,807,874	622,523	293,535	13.4	126,940	9.7	1,139,829	256,695	29.5	23,515,888	91.6	18,542,353	78.9	20
1,779,820	50,147	2.8	1,585,076	140,373	63,567	12.4	53,935	11.7	907,295	205,126	32.0	21,063,332	102.7	16,680,212	79.2	21
3,944,197	160,127	4.3	2,694,677	1,117,928	639,391	11.7	128,450	7.9	1,098,262	237,181	42.7	31,974,775	134.8	27,294,533	85.4	22
2,215,436	85,613	3.9	1,504,907	663,180	330,958	10.5	43,407	4.9	848,710	196,447	17.7	19,032,961	96.9	12,925,521	67.9	23
1,527,601	48,706	3.2	1,084,382	434,591	249,161	8.8	3,009	4.8	920,037	189,295	14.4	22,148,223	117.0	12,452,216	56.2	24
1,380,834	32,869	2.4	906,810	462,582	319,300	5.6	6,666	3.5	897,181	178,478	24.7	30,221,758	109.3	21,481,710	71.1	25
1,428,682	19,444	1.4	1,201,080	214,479	153,271	5.0	12,568	9.9	984,799	213,439	41.7	33,474,896	156.8	28,606,951	85.5	26
2,038,814	77,348	3.8	1,743,813	173,561	104,448	10.0	121,328	14.3	1,211,346	263,004	28.8	34,774,079	132.2	24,832,966	71.4	27
322,018	9,373	2.9	198,345	121,047	91,187	5.9	336	4.8	394,500	77,690	25.6	36,214,751	400.1	24,563,178	67.8	28
344,846	7,640	2.2	257,595	78,027	55,164	4.9	520	6.7	362,221	74,637	34.9	34,636,491	464.1	18,199,250	52.5	29
738,310	12,972	1.8	585,753	140,809	89,783	6.6	9,437	5.7	584,172	124,417	42.9	42,225,475	339.4	23,109,624	54.7	30
1,024,144	20,970	2.0	884,079	101,209	66,889	10.2	37,010	11.2	737,377	165,286	40.4	45,425,179	274.8	30,600,760	67.4	31
136,521	10,088	7.4	100,114	18,245	8,027	18.2	18,113	24.6	51,212	10,140	39.3	944,511	93.1	653,052	69.1	32
362,391	58,877	6.8	626,388	93,624	49,704	14.3	141,991	22.2	270,225	47,908	28.9	4,757,999	99.3	3,136,728	65.9	33
305,255	10,190	3.3	204,804	26,376	14,712	6.4	73,448	10.7	894	204	41.7	5,668	27.8	4,258	75.1	34
1,207,074	162,376	13.5	827,272	27,851	14,057	7.5	351,231	29.3	1,064,417	186,242	25.6	18,561,112	99.7	9,460,492	51.0	35
752,344	61,468	8.2	645,641	55,405	14,141	25.4	51,145	18.9	477,924	87,289	16.2	9,569,790	109.6	5,520,308	57.7	36
1,210,727	204,492	10.9	856,567	6,498	3,235	7.0	342,756	32.4	1,501,227	269,763	43.5	20,021,786	74.2	8,198,409	40.9	37
779,991	179,482	23.0	390,855	6,941	3,062	0.5	376,930	38.7	1,074,693	192,693	64.5	12,420,675	64.5	6,184,159	49.8	38
1,421,666	201,294	18.4	831,173	14,855	8,316	5.6	375,330	35.8	1,083,213	310,732	66.6	25,441,061	81.9	13,055,209	51.3	39
336,614	58,497	10.9	310,746	38,370	16,109	6.6	181,008	24.8	281,893	54,005	25.3	6,040,691	112.0	2,297,271	35.0	40
1,289,496	136,235	10.6	1,116,037	29,488	18,493	7.5	143,881	26.4	1,304,862	270,626	33.4	21,612,772	79.9	13,975,746	64.7	41
1,214,947	153,163	12.6	955,125	14,319	7,708	8.7	245,395	26.9	1,271,708	252,774	41.1	19,510,856	77.2	11,185,302	57.3	42
1,143,305	228,565	20.0	685,926	16,105	8,503	11.3	441,130	38.8	1,335,885	256,099	57.9	19,576,566	76.4	9,893,407	50.5	43
870,166	182,135	20.8	414,329	7,330	3,631	13.4	453,663	35.9	1,270,482	272,101	68.1	18,190,070	68.9	9,320,677	51.2	44
867,292	99,413	11.5	611,737	13,106	7,560	8.3	242,234	26.5	1,147,049	232,604	51.3	17,456,750	75.0	9,210,556	52.8	45
924,184	24.9	522,789	41,228	15,196	22.6	359,251	43.8	786,050	135,403	57.1	10,019,822	74.0	5,620,236	56.2	46	
1,021,588	48,076	4.7	884,745	36,108	19,372	13.4	76,331	16.4	1,017,327	191,988	51.0	31,951,934	166.4	18,125,321	56.7	47
2,430,715	233,894	9.6	1,777,552	206,718	72,121	33.3	384,428	23.4	2,277,773	436,038	53.3	114,020,621	261.5	31,227,503	27.4	48
320,562	9,071	2.8	226,355	85,709	50,627	6.0	1,282	6.7	225,687	57,677	11.3	35,070,656	608.1	11,007,278	31.4	49
234,076	4,510	1.9	193,818	36,170	23,894	6.6	699	5.9	200,902	42,108	15.9	8,378,873	198.9	4,511,680	53.9	50
115,739	2,940	2.5	89,625	23,057	12,008	9.2	1,065	6.1	67,306	15,748	12.5	11,809,351	749.9	2,102,005	17.8	51
564,529	22,080	3.9	448,781	105,017	62,318	12.8	8,106	7.4	266,073	59,934	23.0	24,462,014	408.1	7,744,767	31.7	52
185,186	34,952	18.9	149,224	21,933	5,881	28.6	4,809	4.4	161,446	29,844	12.2	24,409,630	817.9			

FOURTEENTH CENSUS: 1920.

SUMMARY FOR THE UNITED STATES, BY GEOGRAPHIC DIVISIONS AND STATES,

Table continued from preceding page.]

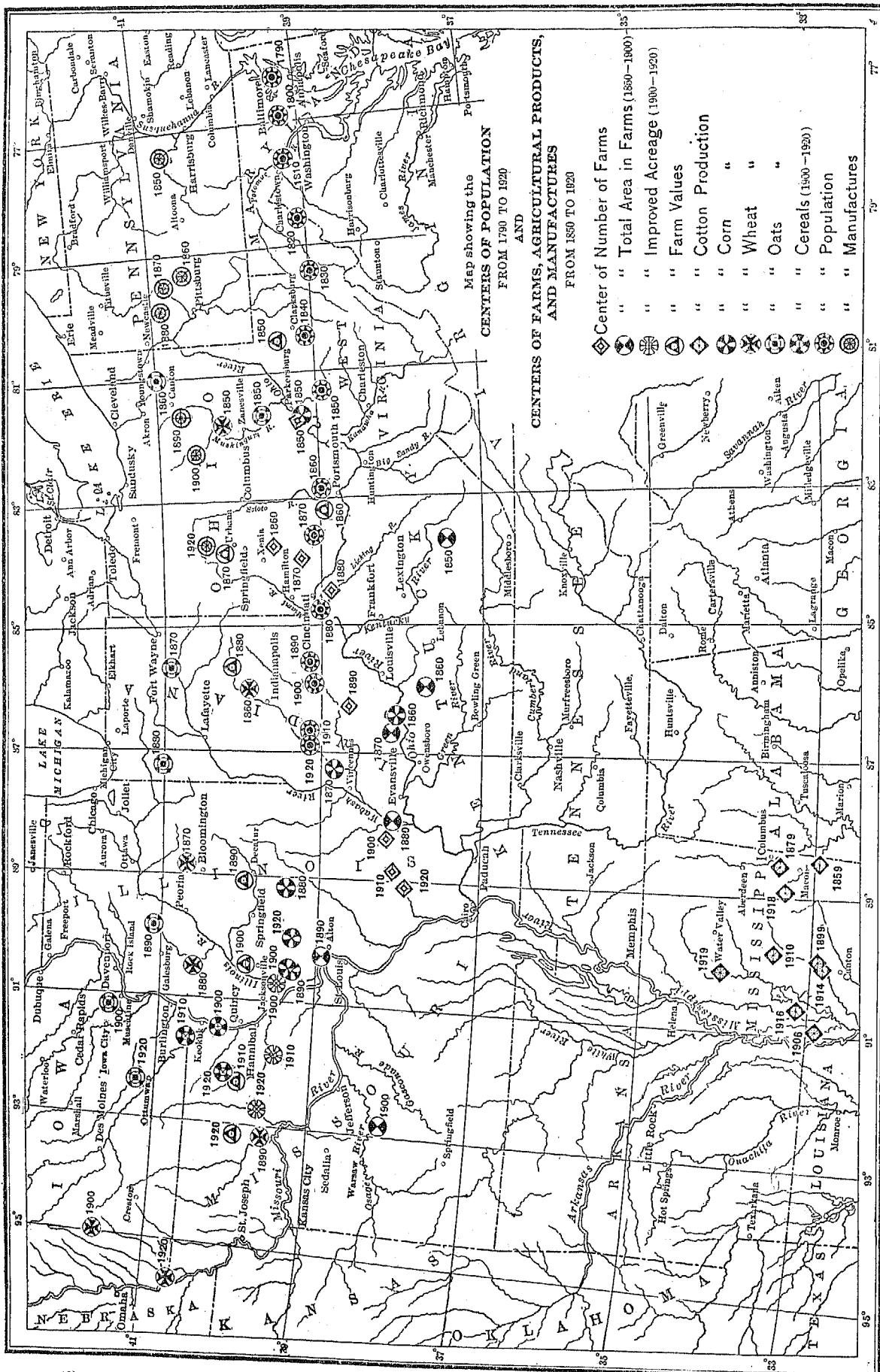
DIVISION AND STATE.		AGRICULTURE—Continued.								
		VALUE OF FARM PROPERTY: 1920				VALUE OF FARM PRODUCTS: 1919				
		Total.	Land and buildings.	Implements and machinery.	Livestock.	Total (gross value). ¹	Live-stock products ²	Domestic animals sold, etc. ³	Crops.	Miscellaneous products ⁴
1	United States	Dollars. 77,924,100,338	Dollars. 66,316,002,602	Dollars. 3,504,772,928	Dollars. 8,013,324,808	Dollars. 21,425,623,614	Dollars. 2,667,072,273	Dollars. 3,511,050,000	Dollars. 14,755,304,804	Dollars. 492,136,441
2	GEOGRAPHIC DIVISIONS:									
3	New England.....	1,173,019,594	917,408,584	92,387,525	163,163,485	505,307,039	132,411,030	55,600,000	275,175,536	42,310,433
4	Middle Atlantic.....	3,949,684,183	3,002,137,754	369,152,336	588,304,093	1,561,158,784	412,960,765	170,200,000	914,499,927	63,493,029
5	East North Central.....	17,245,362,502	14,037,641,671	786,070,305	1,521,044,117	4,410,240,680	721,387,462	784,200,000	2,818,367,702	80,255,426
6	West North Central.....	27,091,434,545	24,469,495,169	1,182,938,204	2,359,001,112	5,581,297,432	650,742,614	1,312,600,000	3,670,002,149	41,052,660
7	South Atlantic.....	6,132,017,760	5,201,773,472	285,980,857	647,163,431	2,629,345,466	204,301,063	221,550,000	2,083,808,429	11,085,074
8	East South Central.....	4,419,466,237	3,663,693,363	176,064,880	579,707,988	1,795,544,716	159,643,780	250,500,000	1,303,179,089	73,220,938
9	West South Central.....	7,622,000,027	6,291,188,072	311,098,790	1,019,779,165	2,739,481,559	181,340,648	352,200,000	2,168,622,649	37,312,262
10	Mountain.....	4,083,137,939	3,163,187,783	190,715,673	729,234,483	921,882,633	121,132,069	230,700,000	562,054,300	7,005,265
	Pacific.....	5,307,011,460	4,069,416,734	232,357,792	405,286,084	1,281,273,305	183,145,033	127,000,000	948,854,024	21,876,248
11	NEW ENGLAND:									
12	Maine.....	270,526,733	204,108,971	26,637,600	39,780,102	154,076,196	26,075,210	15,700,000	100,152,324	12,148,533
13	New Hampshire.....	118,558,115	89,995,870	9,499,322	10,160,023	51,771,331	14,681,368	7,700,000	23,500,665	5,880,298
14	Vermont.....	222,736,620	159,117,159	21,234,130	42,385,331	99,473,142	31,573,340	13,300,000	47,099,600	6,600,202
15	Massachusetts.....	300,471,743	247,587,831	19,359,755	33,524,157	109,223,194	33,850,802	10,900,000	53,700,925	10,771,377
16	Rhode Island.....	33,636,766	26,387,926	2,408,561	4,840,279	13,082,138	5,367,881	1,300,000	5,340,378	1,073,870
	Connecticut.....	220,991,617	199,270,827	2,248,097	29,472,603	77,171,038	20,802,330	6,000,000	44,472,644	8,236,063
17	MIDDLE ATLANTIC:									
18	New York.....	1,005,483,201	1,425,061,740	109,806,766	313,554,695	743,828,392	225,405,739	71,000,000	417,646,804	30,310,789
19	New Jersey.....	311,947,948	250,323,986	25,459,205	36,064,757	135,000,544	31,482,945	8,700,000	87,484,186	7,333,413
	Pennsylvania.....	1,729,353,034	1,326,752,028	163,826,365	238,774,641	682,334,848	156,012,081	90,500,000	409,905,877	25,855,690
20	EAST NORTH CENTRAL:									
21	Ohio.....	3,095,666,336	2,661,435,949	146,575,269	287,655,118	941,720,697	155,587,910	150,400,000	607,037,562	10,704,210
22	Indiana.....	3,042,311,247	2,553,643,073	127,403,086	261,284,188	782,101,167	99,350,023	171,100,000	497,229,719	14,421,425
23	Illinois.....	6,666,767,235	3,997,093,566	222,619,005	446,154,064	1,298,906,047	142,351,262	274,800,000	804,737,833	17,017,852
24	Michigan.....	1,763,334,778	1,436,686,210	122,389,936	204,253,632	606,886,581	111,076,235	75,600,000	404,014,810	16,195,536
	Wisconsin.....	2,077,282,907	2,187,881,973	167,088,900	322,312,115	780,616,288	213,022,023	103,300,000	445,347,808	18,046,307
25	WEST NORTH CENTRAL:									
26	Minnesota.....	3,787,420,118	3,301,168,325	151,087,963	305,163,825	734,485,441	113,236,965	104,000,000	506,020,233	11,228,243
27	Iowa.....	8,524,870,958	7,501,772,290	309,172,398	613,926,268	1,447,938,473	130,250,447	420,300,000	800,391,299	6,900,727
28	Missouri.....	3,591,068,085	3,082,967,700	138,261,340	389,830,045	502,663,253	105,601,436	270,800,000	559,047,854	17,213,933
29	North Dakota.....	1,759,742,995	1,483,521,495	114,186,865	157,034,635	368,055,880	30,079,932	34,900,000	301,782,935	393,029
30	South Dakota.....	2,828,870,212	2,472,803,681	112,408,208	238,568,263	411,111,307	35,730,200	63,700,000	311,008,800	896,289
31	Nebraska.....	4,201,655,992	3,712,107,760	131,104,448	336,443,784	784,677,206	54,612,075	208,700,000	519,720,771	1,035,560
	Kansas.....	3,302,806,187	2,830,063,918	154,710,977	318,023,292	882,365,863	80,322,550	210,200,000	588,928,248	2,920,065
32	SOUTH ATLANTIC:									
33	Delaware.....	80,137,614	64,755,631	6,781,313	8,600,665	32,182,526	5,778,747	2,400,000	23,058,906	944,873
34	Maryland.....	463,633,120	380,998,850	28,970,020	48,071,250	158,178,779	25,522,172	16,800,000	109,858,608	5,997,699
35	District of Columbia.....	5,927,987	5,377,281	104,252	246,366	1,019,770	119,263	50,000	307,614	542,893
36	Virginia.....	1,196,555,772	1,024,435,025	50,151,460	121,069,281	425,199,212	46,311,494	61,100,000	292,824,200	24,903,453
37	West Virginia.....	406,439,617	410,788,404	18,395,058	67,261,153	169,066,516	26,332,970	34,600,000	96,537,450	11,590,087
38	North Carolina.....	1,250,166,995	1,076,392,960	84,261,363	119,152,672	614,054,554	35,890,050	41,600,000	503,220,313	33,985,485
39	South Carolina.....	933,064,742	813,484,200	48,002,387	91,518,156	459,970,710	20,354,000	18,000,000	437,121,837	14,503,813
40	Georgia.....	1,356,055,191	1,138,298,627	63,343,220	155,943,349	638,430,053	36,401,318	39,000,000	540,013,626	22,415,411
	Florida.....	330,301,717	281,449,404	13,551,773	35,300,540	101,204,046	7,021,885	8,000,000	80,250,806	5,325,355
41	EAST SOUTH CENTRAL:									
42	Kentucky.....	1,511,901,077	1,305,158,936	48,354,587	158,387,284	512,450,424	50,928,217	98,800,000	347,338,888	17,302,319
43	Tennessee.....	1,251,964,585	1,024,970,894	53,462,556	173,522,135	492,407,214	50,900,604	101,000,000	318,285,307	22,101,213
44	Alabama.....	600,848,729	543,657,755	34,380,217	112,824,748	383,178,279	30,426,093	29,100,000	304,348,638	19,302,618
	Mississippi.....	964,751,855	789,890,778	38,881,256	134,973,821	407,499,709	27,327,885	29,600,000	336,207,156	14,364,788
45	WEST SOUTH CENTRAL:									
46	Arkansas.....	924,395,483	753,110,066	43,432,237	127,852,580	424,468,802	30,083,950	39,400,000	340,813,256	14,180,590
47	Louisiana.....	559,826,079	474,038,793	32,715,010	83,072,876	237,628,052	13,613,465	12,100,000	206,182,548	5,732,039
48	Oklahoma.....	1,600,423,544	1,363,885,294	80,630,547	215,927,703	707,895,000	49,887,518	103,800,000	550,084,742	4,122,740
	Texas.....	4,447,420,321	3,700,173,319	154,320,996	502,926,006	1,309,471,705	87,701,715	196,000,000	1,071,542,103	13,267,887
49	MOUNTAIN:									
50	Montana.....	985,961,303	770,767,520	55,004,212	154,189,567	142,597,141	24,800,020	46,000,000	69,975,185	1,812,097
51	Idaho.....	716,137,910	581,511,964	38,417,253	96,208,608	181,709,556	22,225,355	30,500,000	126,495,111	2,489,090
52	Wyoming.....	334,410,500	234,448,125	11,777,949	87,884,516	68,153,818	14,004,109	23,700,000	30,270,030	179,070
53	Colorado.....	1,070,794,749	866,013,660	49,804,509	100,976,580	280,205,323	20,291,022	70,600,000	181,065,230	1,708,402
54	New Mexico.....	825,185,999	221,814,212	9,745,369	93,028,418	57,172,768	8,447,826	25,700,000	40,619,034	403,208
55	Arizona.....	233,592,939	172,325,321	8,820,687	52,447,601	59,771,694	6,204,886	10,900,000	42,481,230	95,538
56	Utah.....	311,274,728	243,751,758	13,514,787	54,008,183	87,764,914	13,735,823	15,600,000	58,007,067	301,424
57	Nevada.....	90,779,600	60,255,214	3,630,927	20,893,525	26,418,019	4,604,649	7,700,000	13,980,803	45,007
58	PACIFIC:									
59	Washington.....	1,057,429,848	920,302,341	54,721,377	82,316,130	301,271,150	44,066,349	23,900,000	227,212,008	6,092,602
	Oregon.....	818,559,751	673,213,284	41,507,125	101,779,342	209,459,268	35,140,671	36,200,000	131,884,039	6,227,056
	California.....	3,431,021,861	3,073,811,109	136,069,290	221,141,462	770,544,880	103,032,013</td			

STATE COMPENDIUM.

5

FOR POPULATION, AGRICULTURE, MANUFACTURES, AND MINES AND QUARRIES.

Number of establishments.	MANUFACTURES.*										MINES AND QUARRIES.*									
	AVERAGE NUMBER OF WAGE EARNERS.					Wages.	Cost of materials.	VALUE OF PRODUCTS.			Number of establishments.	Number of mines and quarries.	Number of wells.	AVERAGE NUMBER OF WAGE EARNERS. ⁵			Wages.	VALUE OF PRODUCTS.		
	Total.	Rank.	Per cent distribution.	Male.	Female.			Amount.	Rank.	Per cent distribution.				Amount.	Rank.	Per cent distribution.		Amount.	Per cent distribution.	
	Expressed in thousands.																			
290,105	9,096,372	....	100.0	7,267,030	1,829,342	Dollars. 10,533,400	Dollars. 37,376,380	Dollars. 62,418,079	....	100.0	21,280	13,844	257,673	981,560	100.0	Dollars. 1,295,936	Dollars. 3,158,464	100.0	1
25,528	1,351,380	3	14.9	955,597	305,792	1,430,485	3,951,908	7,183,071	3	11.5	302	334	....	7,213	0.7	8,034	18,724	0.6	2
88,360	2,872,655	1	31.6	2,197,258	603,395	3,464,031	11,424,066	19,884,773	1	31.8	6,604	3,870	91,511	334,175	34.0	458,108	853,801	27.0	3	
61,332	2,396,618	2	26.3	2,030,024	366,591	2,092,031	10,021,687	17,737,480	2	28.4	2,324	54,413	190,011	19.4	237,638	480,463	15.2	4		
29,166	499,635	5	5.5	408,369	91,266	546,172	3,778,125	5,187,065	4	8.3	1,726	1,270	12,691	62,233	6.3	84,268	280,111	8.9	5	
25,976	817,212	4	9.0	658,092	159,120	778,027	2,506,265	4,455,152	5	7.1	2,284	1,976	27,363	129,707	13.2	149,276	352,074	11.1	6	
14,655	320,226	7	3.6	286,147	43,070	208,711	977,824	1,642,391	8	2.6	1,405	1,475	5,228	90,612	9.2	98,768	181,045	5.8	7	
13,909	285,244	8	3.1	261,967	23,277	293,022	1,547,994	2,277,861	7	3.6	2,821	495	66,087	60,936	6.3	88,445	490,727	15.5	8	
7,612	109,216	9	1.2	101,868	7,358	141,902	610,230	922,676	9	1.5	1,508	1,183	81,519	81,192	3.3	131,192	321,825	10.2	9	
19,567	435,170	6	4.8	385,718	49,461	581,269	1,868,242	3,157,610	6	5.1	858	502	9,197	28,134	2.6	40,207	178,084	5.7	10	
2,995	88,651	24	1.0	68,530	20,121	94,225	254,569	456,822	28	0.7	50	51	....	979	0.1	1,052	1,824	0.1	11
1,499	83,074	25	0.9	57,667	25,407	70,326	230,528	407,205	29	0.7	30	33	....	682	0.1	825	1,568	(6)	12
1,790	33,491	37	0.4	28,613	4,378	34,084	95,173	168,108	38	0.3	93	109	....	2,936	0.3	3,041	8,555	0.3	13
11,906	713,830	4	7.8	490,006	223,830	760,623	2,260,713	4,011,182	5	6.4	74	79	....	1,704	0.2	2,069	4,176	0.1	14
2,466	139,665	15	1.5	89,734	49,931	137,495	415,989	747,323	19	1.2	14	15	....	369	(6)	400	952	(6)	15
4,872	292,672	8	3.2	221,047	71,025	324,082	685,937	1,392,432	12	2.2	41	47	....	543	0.1	647	1,640	0.1	16
49,330	1,228,130	1	13.5	876,080	351,450	1,458,207	4,943,214	8,867,005	1	14.2	700	147	14,186	6,202	0.6	7,497	25,131	0.8	17	
11,057	508,686	6	5.6	388,419	120,267	600,658	2,276,473	3,672,065	6	5.9	97	102	....	4,576	0.5	5,393	9,309	0.3	18
27,973	1,135,837	2	12.5	914,159	221,678	1,406,066	4,210,409	7,315,703	2	11.7	5,807	5,821	....	323,397	32.9	445,218	819,451	25.9	19
16,125	730,733	3	8.0	625,668	105,065	944,652	2,911,048	5,100,309	4	8.2	2,283	1,004	35,440	49,298	5.0	58,110	134,519	4.3	20	
7,916	277,580	9	3.1	235,805	41,775	317,043	1,174,950	1,888,753	9	3.0	503	398	2,456	26,751	2.7	30,193	52,840	1.7	21	
18,503	653,114	5	7.2	527,205	125,099	801,087	3,488,271	5,425,245	3	8.7	772	500	16,498	79,123	8.1	94,170	178,073	5.7	22	
8,306	471,242	7	5.2	417,708	53,534	639,708	1,919,243	3,466,188	7	5.6	122	165	19	31,292	3.2	56,406	103,870	3.3	23	
10,333	203,949	10	2.9	223,638	40,311	290,441	1,127,275	1,846,984	10	3.0	92	107	....	3,547	0.4	4,750	10,551	0.3	24
6,225	115,023	19	1.3	96,704	18,010	127,107	883,090	1,218,130	13	2.0	135	196	....	17,265	1.8	29,383	130,399	4.1	25
5,683	80,551	27	0.9	68,080	12,471	90,117	520,241	745,473	20	1.2	198	226	....	11,274	1.1	12,467	18,474	0.6	26
8,592	195,037	12	2.1	147,035	47,402	190,515	1,056,457	1,594,208	11	2.5	468	494	....	14,857	1.5	16,777	33,366	1.1	27
8,804	4,472	48	(6)	4,130	336	5,401	44,490	57,374	47	0.1	79	79	....	774	0.1	1,020	1,927	0.1	28
1,414	6,382	46	0.1	5,719	663	7,905	42,986	62,171	46	0.1	23	28	....	1,785	0.2	2,497	5,314	0.2	29
2,884	36,521	35	0.4	31,275	5,246	46,007	480,774	596,042	24	1.0	9	9	....	162	(6)	166	293	(6)	30
3,474	61,040	31	0.7	54,820	6,220	73,060	760,085	913,667	16	1.5	814	238	12,690	16,136	1.6	21,949	90,338	2.9	31	
668	29,035	39	0.3	24,744	4,201	37,265	85,433	105,073	40	0.3	7	8	....	116	(6)	136	244	(6)	32
4,937	140,342	14	1.5	104,977	35,365	147,867	549,347	873,945	17	1.4	126	161	....	5,628	0.6	6,152	9,090	0.3	33
595	10,482	43	0.1	9,193	1,289	13,189	30,940	68,826	45	0.1	3	3	....	12	(6)	8	16	(6)	34
5,003	110,352	18	1.3	99,393	19,990	120,007	371,541	643,512	23	1.0	202	216	....	14,547	1.5	16,108	29,363	0.9	35
2,785	83,036	26	0.9	74,084	8,352	101,840	270,941	471,971	27	0.8	1,714	1,325	27,363	100,812	10.3	119,578	295,667	9.3	36	
5,999	157,650	13	1.7	116,391	41,208	126,680	526,908	643,808	15	1.5	102	106	....	1,890	0.2	1,489	2,736	0.1	37
2,004	70,450	28	0.9	60,800	18,050	62,566	227,980	381,453	32	0.6	20	20	....	933	0.1	680	1,351	(6)	38
4,803	123,441	17	1.4	90,282	24,159	101,180	440,490	693,237	21	1.1	74	82	....	2,397	0.2	2,017	4,082	0.1	39
2,582	74,415	29	0.8	68,668	5,747	67,433	92,680	213,327	35	0.3	36	55	....	3,372	0.3	3,108	8,976	0.3	40
3,957	69,340	30	0.8	58,584	10,756	67,034	235,715	395,660	31	0.6	938	864	5,214	43,563	4.4	49,551	98,487	3.1	41	
4,589	95,167	23	1.0	76,187	18,980	81,355	344,767	556,253	25	0.9	203	263	14,470	14,470	1.5	12,987	23,292	0.7	42	
3,654	107,159	21	1.2	96,783	10,376	99,066	300,664	492,731	26	0.8	264	348	....	32,579	3.3	36,230	59,866	1.9	43
2,455	57,560	33	0.6	54,593	2,967	51,256	96,678	197,747	37	0.3	(7)	....	....	....	....	....	....	....	44
3,123	49,954	34	0.5	47,838	2,116	47,186	102,813	200,313	36	0.3	126	124	....	3,630	0.4	4,573	8,404	0.3	45
2,617	98,285	22	1.1	88,259	10,006	94,406	431,404	676,190	22	1.1	8	4,479	5,228	0.5	7,505	40,017	1.3	46		
2,446	29,503	33	0.3	27,646	1,857	35,026	312,606	401,363	30	0.6	1,034	284	44,735	33,914	3.5	46,809	281,928	8.9	47	
5,724	107,522	20	1.2	98,224	9,298	110,404	271,171	499,996	14	1.6	824	8,749	18,164							



NOTE.—The centers for manufactures and for all crops except cotton are based on data for the year preceding the census year indicated on the map; for the centers of cotton production the exact dates are shown on the map.

UTAH.

NUMBER AND DISTRIBUTION OF INHABITANTS.

Population of the state.—According to the Fourteenth Census, taken as of January 1, 1920, the population of Utah is 449,396, representing an increase of 76,045, or 20.4 per cent, over the population in 1910. During the same period the population of the

United States increased by 14.9 per cent. The following summary shows the population of Utah as returned at each census from 1850 to 1920, with the number and per cent of increase in each decade, in comparison with the per cent of increase for the United States:

POPULATION OF UTAH: 1850 TO 1920.

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1920.....	449,396	76,045	20.4	14.9
1910.....	373,351	96,602	34.9	21.0
1900.....	276,749	65,970	31.3	20.7
1890.....	210,779	66,816	46.4	25.5
1880.....	143,963	57,177	65.9	30.1
1870.....	86,786	46,513	115.5	22.6
1860.....	40,273	28,893	253.9	35.6
1850.....	11,380	.....	.....	.....

Counties.—Utah has 29 counties, of which 3 (Juab, Summit, and Wasatch) show a decrease in population during the last decade. The large decrease in Wasatch County is due to a reduction in area, part of its territory having been organized as Duchesne County in 1915. Daggett was also organized during the last decade from part of Uintah County, and changes were made in the boundaries of Rich and Summit Counties. (See Table 1.)

In preparing the accompanying maps, showing rates of increase in total and rural population since 1910, the population of Daggett and Uintah Counties in 1920 has been combined, and a similar combination has been made in the case of Duchesne and Wasatch Counties.

Density of population.—The total land area of the state is 82,184 square miles, and the average number

of persons to the square mile in 1920 is 5.5 (see Table 1); in 1910 and 1900 the averages were 4.5 and 3.4, respectively.

Minor civil divisions.—The political units into which counties are divided are collectively termed "minor civil divisions." The primary divisions of the counties of Utah are the election precincts, of which there are 429 in 1920. There are also 137 secondary divisions, of which 58 are cities and 79 are incorporated towns. These secondary divisions usually form parts of their respective precincts, but 15 cities and towns are coextensive with the precincts in which located, and one city and one town each comprises the whole of one precinct and part of another. Besides these minor civil divisions, the state contains 3 Indian reservations and a part of another. These reservations, though independent of any county organization, are

HISTORICAL NOTE.—Utah derives its name from the Ute Indians, who once occupied what is now the northeastern part of the state. The term "Ute" is equivalent to "highlander."

The first explorers of this region were Spaniards. It is probable that members of Coronado's party entered it from the south as early as 1540. In 1776 two Spanish friars, seeking a route from Santa Fe to the Pacific, discovered Utah Lake. Nearly 50 years later Great Salt Lake was discovered by James Bridger, a trapper. Other trappers followed soon afterward and established trading posts. The first permanent settlement of the Utah country was not made, however, until July, 1847, when Salt Lake City was founded by a band of Mormons from Illinois under the leadership of Brigham Young.

The area now constituting Utah formed a portion of the Spanish possessions in America until Mexico achieved its independence in 1821, when it became a part of that country. In February, 1848, by the Treaty of Guadalupe-Hidalgo, at the close of the war with Mexico, that nation ceded to the United States its claims to a large part of the region between Texas and the Pacific Ocean, which included the territory comprised within the present limits of Utah.

For two years after the founding of Salt Lake City the new colony had no secular government. In 1849 the Mormons organized the so-called state of Deseret and

requested admission to the Union. Congress did not grant this request, but in September, 1850, created the territory of Utah, which extended from the California boundary to the Rocky Mountains and from the thirty-seventh to the forty-second parallel. The new territory thus included the area now constituting western Colorado, southwestern Wyoming, and the greater part of Nevada. In February, 1851, when the territory of Colorado was organized, the eastern boundary of Utah, south of the forty-first parallel, was fixed at its present location. In the following month the area of Utah was further reduced by the formation of Nevada territory with its eastern boundary at longitude 39° from Washington (approximately 116° from Greenwich). In March, 1853, that portion of Utah lying north of the forty-first parallel and east of the thirty-third meridian from Washington was made a part of the newly created territory of Idaho, which then included most of the present area of Wyoming. In October, 1864, when Nevada was admitted to the Union, the boundary between that state and Utah was moved eastward 1 degree, and two years later it was fixed at the thirty-seventh meridian from Washington. In July, 1883, the area between the forty-first and forty-second parallels and the thirty-third and thirty-fourth meridians from Washington was taken from northeastern Utah and made a part of the newly organized territory of Wyoming, leaving Utah with its present boundaries. In January, 1896, the territory became the forty-fifth state of the Union.

POPULATION—UTAH.

shown in Table 2 under the counties in which they are wholly or partly located.

Cities.—Utah has 58 cities, of which Salt Lake City, with a population of 118,110, is the largest, and Ogden, with 32,804, is the second in size. (See Tables 3 and 4.)

The following summary shows, for each city having 5,000 or more inhabitants in 1920, the population at each census for which figures are available, together with the number and per cent of increase during the preceding decade:

POPULATION OF PRINCIPAL CITIES FROM EARLIEST CENSUS TO 1920.

CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.
Brigham:				Ogden—Continued.			
1920.....	5,282	1,597	43.3	1880.....	6,069	2,942	94.1
1910.....	3,085	826	28.9	1870.....	3,127	1,063	113.6
1900.....	2,859	720	33.7	1860.....	1,464	.....	.....
1890.....	2,139	262	14.0	Provo:			
1880.....	1,877	562	42.7	1920.....	10,303	1,378	15.4
1870.....	1,315	340	34.9	1910.....	8,925	2,740	44.3
1860.....	975	.....	.....	1900.....	6,185	1,026	19.9
Logan:				1890.....	5,150	1,727	50.3
1920.....	9,430	1,917	25.5	1880.....	3,432	1,048	44.0
1910.....	7,522	2,071	38.0	1870.....	2,384	354	17.4
1900.....	5,451	886	19.4	1860.....	2,030	.....	.....
1890.....	4,565	1,169	34.4	Salt Lake City:			
1880.....	3,396	1,039	93.3	1920.....	118,110	25,333	27.3
1870.....	1,757	.....	.....	1910.....	92,777	39,240	73.3
Ogden:				1900.....	53,531	8,688	19.4
1920.....	32,804	7,224	28.2	1890.....	44,843	24,075	115.9
1910.....	25,580	9,267	56.8	1880.....	20,768	7,914	01.6
1900.....	16,313	1,424	9.6	1870.....	12,854	4,618	50.1
1890.....	14,889	8,820	145.3	1860.....	8,230	.....	.....

Urban and rural population.—The Census Bureau defines urban population as that residing in cities and other incorporated places having 2,500 inhabitants or more, and rural population as that residing outside such incorporated places.

The following summary presents, for the last three censuses, figures showing the urban and rural population of the state distributed among places grouped according to specified limits of population. The classification for each census is based upon the population of

the various places as shown by the returns of that census. Consequently the territory comprised within any one class of cities or that designated as urban or as rural does not remain fixed, because any given place may, through the growth or the decline of its population, pass from one class to another at successive censuses. The proportion of the population of Utah living in places of 2,500 or more increased from 38.1 per cent in 1900 to 46.3 per cent in 1910 and to 48 per cent in 1920.

URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

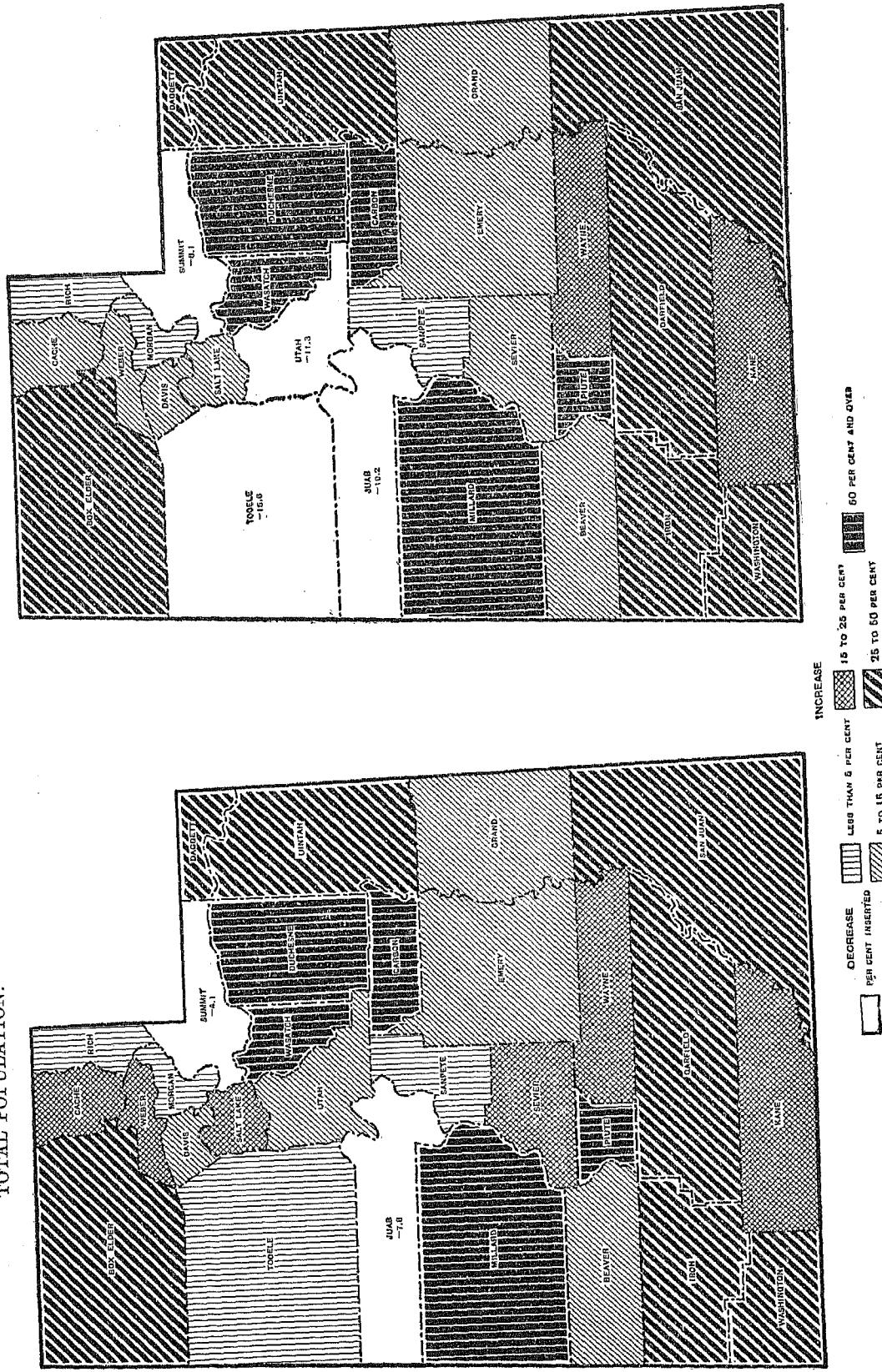
CLASS OF PLACES.	1920		1910		1900		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1920	1910	1900
Total population.....	449,396	.....	373,351	.....	276,749	.....	100.0	100.0	100.0
Urban territory.....	17	215,584	16	172,934	12	105,427	48.0	46.3	38.1
Cities and towns of—							26.3	24.8	19.3
100,000 inhabitants or more.....	1	118,110	1	92,777	1	53,531	7.3	6.9	5.9
50,000 to 100,000 inhabitants.....	1	32,804	1	25,580	2	16,313	2.3	4.4	4.2
25,000 to 50,000 inhabitants.....	1	10,303	2	16,447	2	11,636	3.3	10.2	8.7
10,000 to 25,000 inhabitants.....	1	14,721	2	38,130	8	23,947	8.8	21.6	21.0
5,000 to 10,000 inhabitants.....	2	39,646	12	.....	171,322	52.0	58.7	61.9	
2,500 to 5,000 inhabitants.....	12	.....	200,417	80,644	57	59,793	24.1	27.9	40.3
Rural territory.....	120	288,812	87	119,773	57	111,529	32.1	.....	.....
Cities and towns of less than 2,500 inhabitants.....	120	109,437	87	80,644	57	.....	.....	.....	.....
Other rural territory.....	.....	125,375	.....	.....	.....	.....	.....	.....	.....

¹ Includes one city for which no population was reported.

PER CENT OF INCREASE OR DECREASE OF POPULATION OF UTAH, BY COUNTIES: 1910-1920.

Bureau population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

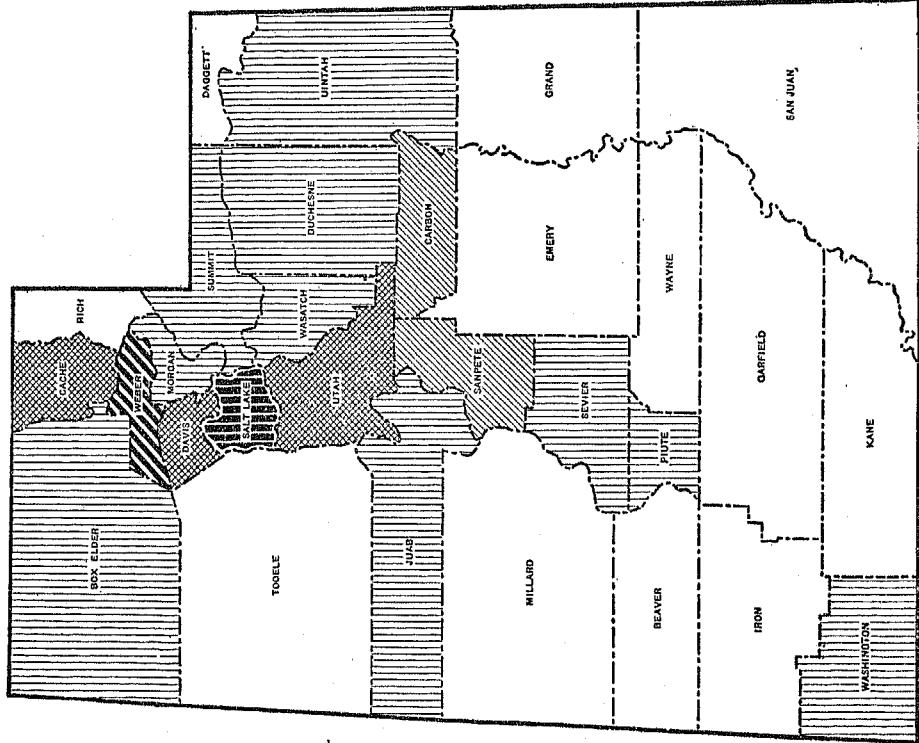
RURAL POPULATION.



DENSITY OF POPULATION OF UTAH, BY COUNTIES: 1920.

Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.



RURAL POPULATION.

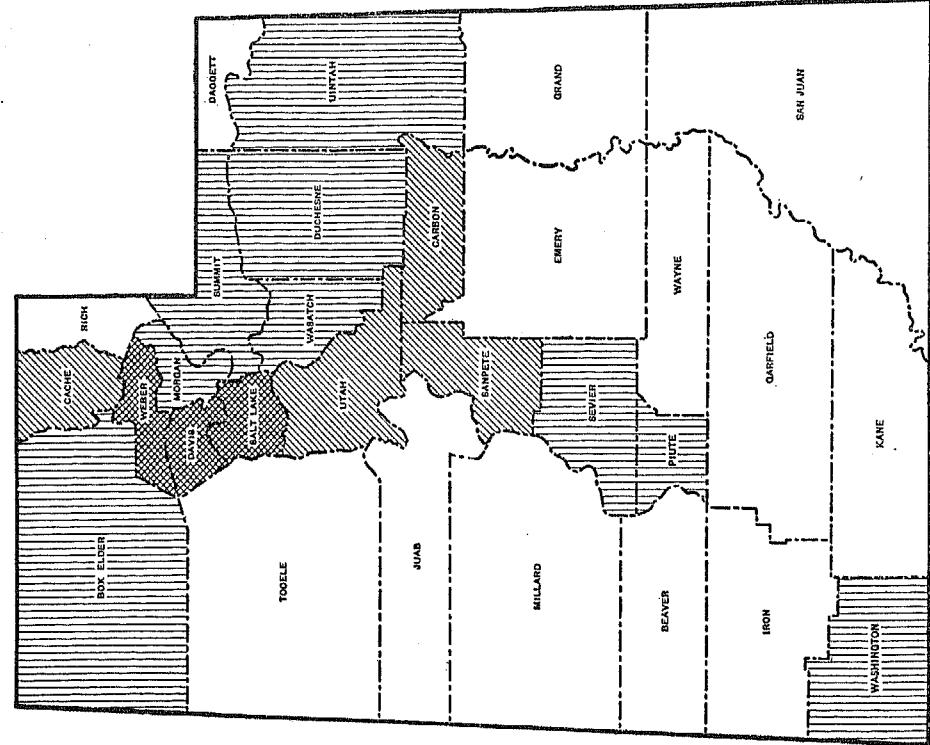


TABLE 1.—AREA AND POPULATION OF COUNTIES: 1850 TO 1920.

[In computing the increase from 1890 to 1900 for certain counties, the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make it comparable with the total for 1890, which does not include the population of Indian reservations. The population thus deducted in the several counties was as follows: San Juan, 160; Uintah, 1,467; Wasatch, 170.]

[A minus sign (-) denotes decrease.]

COUNTY.	Land area in square miles: 1920.	POPULATION.								Per cent of increase.			
		1920		1910	1900	1890	1880	1870	1860				
		Total.	Per square mile.						1910 to 1920.	1900 to 1910.	1890 to 1900.		
Utah ¹	82,184	449,396	5.5	373,351	276,749	1 210,779	143,963	1 86,786	1 40,273	11,380	20.4	34.9	31.3
Beaver.....	2,660	5,139	1.9	4,717	3,613	3,340	3,918	2,007	785	.....	8.0	30.6	8.2
Box Elder ¹	5,444	15,788	3.5	13,894	10,009	7,642	6,761	4,855	1,608	.....	35.2	38.8	31.0
Cache.....	1,164	26,992	23.2	23,062	18,139	15,509	12,562	8,229	2,605	.....	17.0	27.1	17.0
Carbon ¹	1,487	15,489	10.4	8,624	5,004	.....	.....	.....	.....	.....	79.6	72.3	.....
Daggett ¹	850	400	0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Davis ¹	275	11,450	41.6	10,191	7,996	6,751	5,279	4,459	2,904	1,184	12.4	27.5	18.4
Duchesne ¹	3,266	9,093	2.8	.....	.....	.....	.....	556	.....	.....	0.8	44.9	.....
Emery ¹	4,453	7,411	1.7	6,750	4,657	5,076	556	.....	.....	.....	30.3	7.6	38.4
G巨field ¹	5,234	4,768	0.9	3,660	3,400	2,457	.....	.....	.....	.....	13.4	38.8	112.4
Grand ¹	3,692	1,808	0.5	1,595	1,149	541	.....	.....	.....	.....	.....	.....	.....
Iron ¹	3,256	5,787	1.8	3,933	3,546	2,683	4,013	2,277	1,010	360	47.1	10.9	32.2
Juab ¹	3,401	9,871	2.9	10,702	10,052	5,582	3,474	2,034	672	.....	-7.8	6.1	30.6
Kane ¹	4,215	2,054	0.5	1,052	1,811	1,085	3,085	1,513	.....	.....	24.3	-8.3	7.5
Millard.....	6,561	9,659	1.5	6,118	5,678	4,033	3,727	2,753	715	.....	57.9	7.7	40.8
Morgan.....	626	2,542	4.1	2,467	2,045	1,780	1,783	1,972	.....	.....	3.0	20.6	14.9
Piute ¹	763	2,770	3.6	1,734	1,954	2,842	1,651	82	.....	.....	59.7	-11.3	-31.2
Rich ¹	1,031	1,890	1.8	1,883	1,946	1,527	1,263	1,955	.....	.....	0.4	-3.2	27.4
Salt Lake ¹	756	159,282	210.7	131,426	77,725	55,457	31,977	18,337	11,295	6,152	21.2	69.1	33.0
San Juan ¹	7,761	3,379	0.4	2,877	1,023	365	204	.....	.....	.....	42.2	132.4	136.4
Sanpete ¹	1,616	17,505	10.8	16,704	16,313	13,146	11,557	6,786	3,815	305	4.8	2.4	24.1
Sevier ¹	1,978	11,231	5.7	9,775	8,451	6,109	4,457	19	.....	.....	15.4	15.7	36.3
Summit ¹	1,870	7,802	4.2	8,200	9,439	7,733	4,921	2,512	198	.....	-4.1	-13.1	22.1
Tooele ¹	6,849	7,085	1.2	7,924	7,381	3,700	4,497	2,177	1,008	152	0.5	7.6	98.9
Uintah ¹	4,294	8,470	2.0	7,050	6,458	2,762	799	.....	.....	.....	20.1	9.2	80.7
Utah ¹	2,034	40,792	20.1	37,942	32,456	23,768	17,973	12,203	8,248	2,026	7.5	16.9	36.6
Wasatch ¹	1,167	4,625	4.0	8,920	4,736	3,595	2,927	1,244	.....	.....	-48.2	88.3	27.0
Washington ¹	2,465	6,704	2.7	5,123	4,612	4,009	4,235	3,064	691	.....	82.0	11.1	15.0
Wayne ¹	2,475	2,097	0.8	1,749	1,907	.....	.....	.....	.....	.....	19.9	-8.3	.....
Weber ¹	541	43,463	80.3	35,170	25,239	22,723	12,344	7,858	3,675	1,180	23.5	39.4	11.1

¹ CHANGES IN BOUNDARIES, ETC.

THE STATE.—State totals include population as follows: In 1890, population (2,874) of Indian reservations specially enumerated but not distributed by counties; in 1870, population (450) of Rio Virgin County, part annexed to the state of Nevada in 1871 and remainder annexed to Washington County in 1872; in 1860, population (741) of Cedar County, of whose disappearance there is no record; population (141) of Green River County, now in Wyoming, and population (162) of Shambip County, annexed to Juab, Tooele, and Utah Counties between 1860 and 1870.

BOX ELDER.—Part of Salt Lake annexed in 1880.

CARBON.—Organized from part of Emery in 1894.

DAGGETT.—Organized from part of Uintah in 1918.

DAVIS.—Part of Salt Lake annexed in 1880.

DUCHESNE.—Organized from part of Wasatch in 1815; part of Uintah annexed in 1917.

EMERY.—Organized from parts of Sanpete, Sevier, and Wasatch in 1880; parts taken to form Grand in 1890 and Carbon in 1894.

GARFIELD.—Organized from parts of Iron and Kane in 1882; part of Kane annexed between 1890 and 1900.

GRAND.—Organized from part of Emery in 1890.

IRON.—Parts taken to form part of San Juan in 1880 and part of Garfield in 1882.

JUAB.—Part of Shambip annexed between 1860 and 1870.

KANE.—Parts taken to form part of San Juan in 1880 and part of Garfield in 1882; parts annexed to Washington in 1882 and Garfield between 1890 and 1900.

PRUTE.—Part taken to form part of San Juan in 1880; part taken to form Wayne in 1892; part annexed to Sevier in 1902.

RICH.—Part of Summit annexed in 1917.

SALT LAKE.—Parts annexed to Box Elder, Davis, Tooele, and Weber in 1880.

SAN JUAN.—Organized from parts of Iron, Kane, and Piute in 1880.

SANPETE.—Parts taken to form parts of Emery and Uintah in 1880; parts annexed to Wasatch in 1880 and to Utah County between 1890 and 1900.

SEVIER.—Part taken to form part of Emery in 1880; part of Piute annexed in 1902.

SUMMIT.—Part annexed to Rich and part of Uintah annexed to Summit in 1917.

TOOELE.—Part of Shambip annexed between 1860 and 1870; part of Salt Lake annexed in 1880.

UINTAH.—Organized from parts of Sanpete and Wasatch in 1880; parts annexed to Duchesne and Summit in 1917; part taken to form Daggett in 1918.

UTAH.—Part of Shambip annexed between 1860 and 1870; part of Sanpete annexed between 1890 and 1900.

WASATCH.—Parts taken to form parts of Emery and Uintah in 1880; part of Sanpete annexed in 1880; part taken to form Duchesne in 1915.

WASHINGTON.—Rio Virgin annexed in 1872 and part of Kane annexed in 1882.

WAYNE.—Organized from part of Piute in 1892.

WEBER.—Part of Salt Lake annexed in 1880.

POPULATION—UTAH.

TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900.

[Precinct means election precinct. For changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. III, Table 1, p. 869. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Beaver County.....	5,139	14,717	13,613	Carbon County—Continued.			
Adamsville precinct.....	126	145	127	Hawatha precinct, including Hawatha town.....	1,436	.....
Beaver precinct, ¹ including Beaver city.....	2,226	2,085	1,822	Kenilworth precinct, including Kenilworth town.....	830	.....
Grazion precinct.....	216	238	562	Latuda precinct, coextensive with Latuda town.....	343	.....
Greenville precinct.....	217	232	215	Peerless precinct, coextensive with Peerless town.....	171	.....
Minersville precinct, including Minersville town.....	772	599	525	Price precinct, including Price city.....	2,777	.....
Newhouse precinct.....	89	200	.....	Rains precinct, including Rains town.....	430	.....
Star precinct, including Millard town.....	1,463	1,178	279	Scofield precinct, including Scofield town.....	678	298	.....
Box Elder County.....	18,768	213,894	210,000	Spring Glen precinct, including Ewell town.....	.....	.....
Bear River precinct, including Bear River city.....	825	648	390	Standardville precinct, coextensive with Standardville town.....	545	.....
Beaver Dam precinct.....	177	210	.....	Storrs precinct, coextensive with Storrs town.....	656	.....
Bootho Valley precinct ²	123	.....	.....	Sunnyside precinct, including Sunnyside town.....	2,144	.....
Box Elder precinct, including Brigham city.....	5,492	3,887	2,989	Utah Mine precinct.....	11	.....
Calls Fort precinct, including Honeyville town.....	743	603	488	Wattis precinct, including Wattis town.....	287	.....
Centerdale precinct ³	43	.....	.....	Wellington precinct, including Wellington town.....	534	.....
Clear Creek precinct.....	77	103	102	Winter Quarters precinct, including Winter Quarters town.....	623	.....
Collinston precinct.....	155	114	340	Daggett County.....	400	.....
Curlew precinct ²	249	256	183	Antelope precinct.....	64	.....
Deweyville precinct.....	363	292	204	Pridgeport precinct.....	16	.....
East Garland precinct.....	198	187	.....	Linwood precinct.....	198	.....
Elvadod precinct.....	648	525	.....	Manila precinct.....	212	.....
Fielding precinct, including Fielding town.....	570	485	.....	Davis County.....	11,450	10,101	7,996
Grouse Creek precinct.....	342	337	273	Bountiful precinct, including Bountiful city.....	2,461	1,082	1,080
Howell precinct ²	302	.....	.....	Centerville precinct.....	787	701	640
Junction precinct ²	92	251	185	Clearfield precinct.....	658	400	229
Kelton precinct.....	50	55	85	Farmington precinct, including Farmington city.....	846	611	247
Lucin precinct ²	329	200	.....	Kaysville precinct, including Kaysville city.....	1,216	1,280	1,050
Malad precinct, including Corinne city.....	726	421	463	Layton precinct.....	1,359	1,481	1,183
Mantua precinct, including Mantua town.....	354	377	350	South Bountiful precinct ⁴	1,511	1,171	953
Park Valley precinct ²	173	260	279	South Hooper precinct.....	743	811	799
Penrose precinct ²	220	.....	.....	South Weber precinct.....	306	337	227
Plymouth precinct.....	319	263	549	Syracuse precinct.....	200	241	256
Portage precinct.....	456	499	570	West Bountiful precinct ⁴	629	553	299
Promontory precinct ²	266	238	148	.....	573	524	433
Rawlins precinct ²	704	803	454	Duchesne County.....	9,093	.....
Riverside precinct.....	245	202	.....	Altonah precinct.....	626	.....
Rosette precinct ²	100	.....	.....	Antelope precinct.....	184	.....
Standord precinct ²	36	.....	.....	Blubell precinct.....	277	.....
Sunset precinct, including Garland town.....	1,512	881	359	Boneta precinct.....	244	.....
Three Mile precinct, including Perry town.....	367	292	200	Cedarview precinct.....	486	.....
Tremonton precinct ² , including Tremonton city.....	1,433	487	308	Duchesne precinct, including Duchesne town.....	962	.....
Willard precinct, including Willard city.....	937	902	580	Fruitland precinct.....	202	.....
Yost precinct ²	162	.....	.....	Hanna precinct.....	203	.....
Cache County.....	26,992	23,082	18,189	Harper precinct.....	32	.....
Avon precinct.....	154	176	166	Hayden precinct.....	136	.....
Benson precinct.....	316	292	206	Ioka precinct.....	305	.....
Clarkston precinct, including Clarkston town.....	635	607	475	Lake Fork precinct.....	237	.....
College precinct.....	321	234	261	Midview precinct.....	192	.....
Cornish precinct.....	376	143	.....	Monarch precinct.....	94	.....
Coveville precinct.....	166	190	.....	Mount Eunmons precinct.....	214	.....
Hyde Park precinct, including Hyde Park town.....	773	735	619	Mountain Home precinct.....	415	.....
Hyrum precinct, including Hymur city.....	1,948	1,833	1,652	Myton precinct, including Myton town.....	824	.....
Lewiston precinct, comprising part of Lewiston town.....	1,302	989	995	Neola precinct.....	434	.....
Logan precinct, coextensive with Logan city.....	9,439	7,522	5,451	Rock Cap precinct.....	320	.....
Mendon precinct, including Mendon city.....	434	490	533	Roosevelt precinct, including Roosevelt city.....	1,002	.....
Millville precinct, including Millville town.....	706	625	569	Strawberry precinct.....	183	.....
Mount Sterling precinct.....	110	128	183	Talmage precinct.....	295	.....
Mountain Home precinct.....	118	160	.....	Tobiona precinct.....	398	.....
Newton precinct, including Newton town.....	687	562	617	Utahn precinct.....	168	.....
North Logan precinct ³	375	326	159	Emery County.....	7,411	6,750	4,057
Paradise precinct, including Paradise town.....	550	711	695	Castle Dale precinct, including Castle Dale town.....	866	848	718
Petersboro precinct.....	320	222	166	Cleveland precinct, ⁸ including Cleveland town.....	183	159	353
Providence precinct ³ , including Providence town.....	1,244	1,280	1,022	Desert Lake precinct.....	490	651	127
Richmond precinct, including Richmond city.....	1,398	1,597	1,243	Elmo precinct ⁸	154	125	.....
River Heights precinct ³	298	.....	.....	Emery precinct, including Emery town.....	200	.....
Smithfield precinct, including Smithfield city.....	2,708	2,067	1,494	Ferron precinct, including Ferron town.....	739	632	572
Stephenson precinct, ³ including part of Lewiston town.....	328	255	.....	Green River precinct, including Green River city.....	931	1,022	600
Trenton precinct.....	551	243	227	Huntington precinct, ⁸ including Huntington town.....	771	824	222
Wellsville precinct, including Wellsville city town.....	1,497	1,414	1,148	Lawrence precinct.....	1,235	1,203	944
Wheeler precinct, ³ including part of Lewiston town.....	245	236	.....	Mohrland precinct ⁸	139	161	160
Carbon County.....	15,489	18,624	15,004	Molen precinct.....	691	.....
Cameron precinct.....	228	.....	.....	Orangeville precinct, including Orangeville town.....	129	141	164
Castlegate precinct, including Castlegate town.....	1,120	.....	.....	Woodside precinct.....	649	762	623
Clearcreek precinct.....	578	.....	.....	.....	124	132	114
Heiner precinct.....	48	.....	.....	DAGGETT.—Organized from part of Uintah County in 1918.			
Helper precinct, including Helper town.....	139	139	.....	DAVIS.—South Bountiful precinct returned as South precinct in 1910, and West			
	1,615	.....	.....	desert precinct taken to form River Heights precinct; parts of Stephenson and Wheeler precincts annexed to Lewiston town, since 1910.			
¹ BEAVER.—County totals include population (20 in 1910; 33 in 1900) of Sulphur-dale precinct, annexed to Beaver precinct since 1910.				DUCHESNE.—Organized from part of Wasatch County in 1915, and part of Uintah County annexed in 1917.			
² BOX ELDER.—County totals include population (50 in 1910; 124 in 1900) of Terrace precinct, annexed to Lucin precinct since 1910, and population (252 in 1900) of Salt Lake and Union precincts, annexed to Willard precinct between 1910 and 1910. Precincts organized since 1910: Bootho Valley from part of Promontory; Centerdale from part of Howell, which was organized from part of Curlew; Penrose from part of Rawlins; Rosette from part of Park Valley; Standord from part of Yost, which was organized from part of Junction. Name of Manila precinct changed to Tremonton since 1910.				EMERY.—Parts of Cleveland and Huntington precincts taken to form Elmo and Mohrland precincts, respectively, since 1910.			
³ CACHE.—Greenville precinct changed to North Logan precinct; part of Providence precinct taken to form River Heights precinct; parts of Stephenson and Wheeler precincts annexed to Lewiston town, since 1910.							
⁴ CARBON.—No comparison of population by precincts can be made; numerous changes since 1910.							

NUMBER AND DISTRIBUTION.

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TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. III, Table 1, p. 869. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Garfield County.....	4,768	3,680	3,400	Millard County—Continued.			
Boulder precinct.....	177	91	104	Oasis precinct.....	307	.....
Cannonville precinct.....	311	219	211	Scipio precinct, including Scipio town.....	543	.....
Coyote precinct ⁹	227	229	280	Smithville precinct.....	79	.....
Escalante precinct, coextensive with Escalante town.....	1,032	846	723	Southerland precinct.....	446	.....
Henderson precinct ⁹	81	.....		Woodrow precinct.....	455	.....
Henryville precinct ⁹	170	158	181	Morgan County.....	2,542	2,467	2,045
Hillsdale precinct.....	250	180	267	Canyon Creek precinct.....	439	465	524
Orton precinct.....	111	142	161	Croyden precinct.....	392	539	185
Panguitch precinct, including Panguitch city.....	1,570	1,391	1,094	Milton precinct.....	268	271	270
Tropic precinct, including Tropic town.....	474	404	379	Morgan precinct, including Morgan city.....	1,131	915	755
Widstoe precinct ⁹	365	.....		Peterson precinct.....	312	277	302
Grand County.....	1,808	¹⁰ 1,595	¹⁰ 1,149	Plute County.....	2,770	1,734	¹⁵ 1,954
Castleton precinct.....	57	50	.....	Alunita precinct ¹⁶	484	.....
Cisco precinct.....	95	231	102	Cirleville precinct.....	586	523	538
Dolores precinct.....	59	20	.....	Greenwield precinct.....	217	113	.....
Elgin precinct.....	82	178	60	Junction precinct, ¹⁵ coextensive with Junction town.....	259	423	249
Mesa precinct ¹⁰	(¹⁰)	33	.....	Kimberly precinct.....	3	8	104
Moab precinct No. 1, including part of Moab town.....	784	544	276	Kingston precinct.....	164	172	169
Moab precinct No. 2, ¹⁰ including part of Moab town.....	318	280	347	Marysville precinct, ¹⁵ including Marysville city.....	927	495	435
Richardson precinct.....	37	82	111	Rich County ¹⁶	1,890	1,883	1,946
Sego precinct ¹⁰	198	.....		Argyle precinct.....	48	132	.....
Thompson precinct.....	84	69	83	Garden City precinct.....	337	328	212
Westwater precinct.....	94	92	70	Laketown precinct.....	290	218	245
Iron County.....	5,787	3,933	¹¹ 3,546	Meadowville precinct.....	31	11	100
Buckhorn precinct ¹¹	62	.....		Randolph precinct, including Randolph town.....	74	126	81
Cedar precinct, ¹¹ including Cedar city.....	2,557	1,802	1,630	Round Valley precinct.....	366	367	487
Enoch precinct.....	106	67	58	Woodruff precinct.....	159,282	¹⁷ 131,426	¹⁷ 77,725
Gold Springs precinct.....	4	45	.....	Precinct 1 ¹⁷	2,833	.....
Kanarra precinct.....	326	249	225	Precinct 2.....	2,682	.....
Lund precinct.....	148	24	.....	Precinct 3.....	5,547	.....
Modena precinct.....	129	49	.....	Precinct 4.....	5,807	.....
New Castle precinct ¹¹	140	.....		Precinct 5.....	3,070	.....
Paragonah precinct, ¹¹ including Paragonah town.....	449	399	358	Precinct 6, including Midvale city.....	3,960	.....
Parowan precinct, including Parowan city.....	1,041	1,156	1,039	Precinct 7, including Sandy city.....	2,218	.....
State Line precinct.....	11	35	166	Precinct 8.....	1,299	.....
Summit precinct.....	154	107	135	Precinct 9.....	3,758	.....
Juab County.....	9,871	¹² 10,702	¹² 10,082	Precinct 10, including Bingham Canyon town.....	5,414	.....
Callao precinct ¹²	118	.....		Precinct 11, coextensive with Murray city.....	4,684	.....
Eureka precinct, including Eureka city.....	3,908	.....		Salt Lake City precinct, coextensive with Salt Lake City.....	118,110	.....
Levan precinct, including Levan town.....	708	.....		San Juan County.....	3,379	2,377	¹⁸ 1,023
Mammoth precinct, including Mammoth city.....	1,125	.....		Blanding precinct, ¹⁸ including Blanding town.....	1,072	385	.....
Mills precinct.....	78	.....		Bluff precinct, ¹⁸ including Bluff town.....	382	1,059	315
Mono precinct.....	408	.....		Boulder precinct ¹⁸	86	.....
Nephi precinct, including Nephi city.....	2,039	.....		Cedar Point precinct ¹⁸	54	.....
Silver City precinct.....	689	.....		Indian Creek precinct.....	6	26	53
Goshute Indian Reservation ¹²	140	.....		La Sal precinct.....	287	39	97
Kane County.....	2,054	1,652	1,811	Lockery precinct ¹⁸	187	.....
Alton precinct ¹³	169	98	106	Monticello precinct, ¹⁸ coextensive with Monticello town.....	768	375	180
Glendale precinct.....	250	244	319	Navajo Indian Reservation ¹⁸ (part of).....	537	493	160
Johnson precinct.....	12	66	90	Sanpete County.....	17,505	16,704	16,313
Kanab precinct, coextensive with Kanab town.....	1,102	733	710	Centerfield precinct, including Centerfield town.....	1,130	841	.....
Mount Carmel precinct.....	143	131	137	Chester precinct.....	256	279	270
Orderville precinct.....	378	380	418	Ephraim precinct, including Ephraim city.....	2,287	2,389	2,203
Pahreah precinct ¹³	(¹³)	(¹³)	31	Fairview precinct, including Fairview city.....	1,550	1,654	1,530
Millard County.....	9,659	¹⁴ 6,118	¹⁴ 5,678	Fayette precinct.....	261	209	290
Abraham precinct.....	210	.....		Fountain Green precinct, including Fountain Green city.....	1,169	969	909
Black Rock precinct.....	41	.....		Freedom precinct.....	102	124	.....
Burbank precinct.....	28	.....		Gunnison precinct, including Gunnison city.....	1,426	1,045	1,717
Clear Lake precinct.....	35	.....		Indiana precinct.....	222	127	119
Delta precinct, including Delta town.....	1,485	.....		Manti precinct, including Manti city.....	2,412	2,437	2,425
Deseret precinct.....	463	.....		Mayfield precinct, including Mayfield town.....	550	501	489
Fillmore precinct No. 1, comprising part of Fillmore City.....	790	.....		Milburn precinct.....	146	163	213
Fillmore precinct No. 2, including part of Fillmore City.....	755	.....		Moroni precinct, including Moroni city.....	1,526	1,342	1,451
Garrison precinct.....	109	.....		Mount Pleasant precinct, including Mount Pleasant city.....	2,738	2,803	2,810
Hinckley precinct, including Hinckley town.....	953	.....		Spring City precinct, including Spring City.....	1,106	1,187	1,235
Holden precinct.....	612	.....		Sterling precinct.....	288	299	335
Kanosh precinct, including Kanosh town.....	633	.....		Wales precinct, including Wales town.....	318	335	331
Learnings precinct.....	336	.....				
Lynndyl precinct.....	483	.....				
Malone precinct.....	35	.....				
Meadow precinct, including Meadow town.....	460	.....				
Oak City precinct, coextensive with Oak City town.....	320	.....				

⁹ GARFIELD.—Parts of Coyote and Henryville precincts taken to form Henderson and Widstoe precincts, respectively, since 1910.

¹⁰ GRAND.—County totals include population (9 in 1910; 10 in 1900) of Basin City precinct, annexed to Mesa precinct since 1910. No population reported for Mesa precinct in 1920. Part of Moab precinct No. 2 (returned as Moab precinct No. 8 in 1910) taken to form Sego precinct since 1910.

¹¹ IRON.—County total in 1900 includes population (35) not located by precincts. Buckhorn and New Castle precincts organized from parts of Paragonah and Cedar precincts, respectively, since 1910.

¹² JUAB.—No comparison of population by precincts can be made; numerous changes since 1910. Goshute and other scattering bands of Indians segregated on reservation by Executive order in 1914; in Callao precinct, but independent thereof.

¹³ KANE.—Ranch precinct changed to Alton precinct since 1910. No population reported for Pahreah precinct in 1920 and 1910.

¹⁴ MILLARD.—No comparison of population by precincts can be made; numerous changes since 1910.

¹⁵ PIUTE.—County total for 1900 includes population (459) of Koosharem and Wilmett precincts, taken to form other precincts between 1900 and 1910. Alunita precinct organized from parts of Junction and Marysville precincts since 1910.

¹⁶ RICH.—Part of Summit County annexed in 1917.

¹⁷ SALT LAKE.—No comparison of population by precincts can be made; county redistributed since 1910. Charter surrendered since 1910 for Forest Dale town, formerly in precinct-1.

¹⁸ SAN JUAN.—County total for 1900 includes population (218) of McElmore and Verdures precincts, annexed to other precincts between 1900 and 1910. Grayson precinct changed to Blanding precinct, and Boulder, Cedar Point, and Lockery precincts organized from parts of Monticello precinct since 1910. Total population of Navajo Indian Reservation in Apache, Coconino, and Navajo Counties, Ariz.; McKinley and San Juan Counties, N. Mex.; and San Juan County, Utah, 17,499 in 1920, 18,031 in 1910, and 8,897 in 1900; that part in San Juan County, Utah, in Bluff precinct, but independent thereof.

POPULATION—UTAH.

TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. III, Table 1, p. 869. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Searcy County	11,281	9,775	19,8,451	Utah County—Continued.			
Annabella precinct	345	331	378	Benjamin precinct	575	580	601
Aurora precinct	615	409	385	Cedar Fort precinct	178	230	218
Burrville precinct	89	98	244	Clinton precinct	50	134	150
Central precinct	233	240	201	Colton precinct	49	194	107
Cove precinct	126	184		Elberta precinct ²³	300		
Elsinore precinct, including Elsinore town	843	809	775	Fairfield precinct ²⁴	95	270	168
Glenwood precinct, including Glenwood town	364	393	549	Genoa precinct ²⁵	194		
Joseph precinct, including Joseph town	402	443	620	Goshen precinct ²³ , including Goshen town	602	873	615
Koosharem precinct	373	287		Highland precinct	247	171	195
Monroe precinct, including Monroe town	1,719	1,553	1,379	Lakeshore precinct	457	528	532
Redmond precinct, including Redmond town	678	609	482	Lakeview precinct	301	344	276
Richfield precinct, including Richfield city	3,303	2,602	1,998	Lehi precinct, including Lehi city	3,531	3,344	3,033
Salina precinct, including Salina town	1,451	1,186	1,007	Mapleton precinct, including Mapleton town	586	632	584
Sigurd precinct ¹⁹	296			Mosida precinct ²⁴	67		
Venice precinct	275	231		Payson precinct ²³ , including Payson city	3,377	2,576	2,636
Vermilion precinct ¹⁹	103	330	275	Pleasant Grove precinct, including Pleasant Grove city	2,833	2,752	2,400
Summit County²⁰	7,862	8,200	8,439	Pleasant View precinct	746	987	667
Castle Rock precinct	100	131	160	Provo precinct, coextensive with Provo city	10,303	8,925	6,185
Coalville precinct, including Coalville city	965	1,445	1,252	Provo Bench precinct	1,064	1,064	692
Echo precinct	146	144	179	Salem precinct, including Salem town	827	865	894
Francis precinct	234	184		Santaquin precinct, including Santaquin town	1,052	991	929
Henefer precinct	405	413	348	Spanish Fork precinct, including Spanish Fork city	4,172	3,751	3,327
Hollsville precinct	345	308	400	Spring Lake precinct ²¹	252	188	232
Kamas precinct, including Kamas town	563	418	440	Springville precinct, including Springville city	3,348	3,500	3,422
Mariam precinct	170	128	187	Thistle precinct	417	409	187
Oakley precinct	365	249	335	Tucker precinct	40	373	211
Park City precinct, including Park City	3,548	3,643	4,325	Vineyard precinct	560	435	398
Parleys Park precinct	195	155	399				
Peoa precinct	207	203	324	Wasatch County²¹	4,025	24,8,920	24,4,738
Rockport precinct	101	116	147	Bench Creek precinct ²⁴	85	112	130
Upton precinct	174	247	303	Center precinct	182	311	307
Wanship precinct	174	160	179	Charleston precinct, including Charleston town	463	525	490
Woodland precinct	164	127	461	Daniels precinct	205	207	323
Tooele County	7,965	7,924	7,361	Elkhorn precinct	103	98	110
Batesville precinct	183	183	183	Heber precinct, including Heber city	2,071	2,214	1,725
Burnmaster precinct ²¹	159			Midway precinct, including Midway town	805	1,003	939
Clover precinct	179	137	166	Soldier Summit precinct ²⁴	270		
Deep Creek precinct ²¹	120	256	353	Wallsburg precinct ²⁴ , including Wallsburg town	391	493	523
Gold Hill precinct ²¹	167						
Grantsville precinct ²¹ , including Grantsville city	1,281	1,489	1,267	Washington County	6,764	5,123	24,4,612
Iosepa precinct	65	187		Bloomington precinct	48	50	75
Lake Point precinct	196	179		Central precinct ²⁵	121	110	
Lakeview precinct	179	263	220	Enterprise precinct ²⁵ , including Enterprise town	608	350	100
Mercur precinct ²¹ , including Mercur city	(21)	1,094	2,507	Grafton precinct	46	106	98
Mill precinct	61	53	192	Gunlock precinct ²⁵	115	112	100
Ophir precinct, including Ophir town	593	283	295	Harmony precinct	157	105	119
St. John precinct	116	138	194	Hurricane precinct, including Hurricane town	1,021	306	
Saldure precinct ²¹	194			La Verkin precinct	173	120	
Stockton precinct, including Stockton town	294	340	443	Leeds precinct	211	148	248
Sunshine precinct	104	111	84	Pine Valley precinct	58	118	251
Tooele precinct, including Tooele city	3,619	2,841	1,261	Pluto precinct	20	89	100
Vernon precinct	275	365	136	Rockville precinct	208	189	214
Wendover precinct ²¹	180	(21)		St. George precinct ²¹ , including St. George city	2,271	1,709	1,600
Uintah County²²	8,470	22,7,050	22,6,458	Santa Clara precinct, including Santa Clara town	305	203	249
Davis precinct	409			Springdale precinct	204	186	144
Dragon precinct	487			Toquerville precinct, including Toquerville town	375	314	307
Dry Gulch precinct	300			Veyo precinct ²³	70		
Hayden precinct	182			Virgin precinct	212	136	200
Hill Creek precinct	106			Washington precinct, including Washington city	464	465	529
Mountain Dell precinct	150			Shebit Indian Reservation	68	97	109
Naples precinct	605						
North Ashley precinct	701			Wayne County	2,097	1,749	1,907
North East Vernal precinct	483			Bicknell precinct ²³	298	212	261
North West Vernal precinct	264			Caineville precinct	67	38	131
Randlett precinct	705			Fremont precinct	231	197	249
Rivervalde precinct	499			Fruita precinct	44	46	46
South Ashley precinct	427			Giles precinct ²³	(20)	89	134
South East Vernal precinct	205			Grover precinct	52	73	85
South West Vernal precinct	151			Hanksville precinct	141	77	46
Vernal precinct, coextensive with Vernal city	1,309			Loa precinct, including Loa town	499	448	443
White Rocks precinct	232			Lyman precinct	235	187	192
Uintah and Ouray Indian Reservation	1,189			Notom precinct	11	52	61
Utah County	40,782	37,942	21,32,456	Teasdale precinct	267	188	259
Alpine precinct, including Alpine city	520	585	520	Torrey precinct	252	142	
American Fork precinct, including American Fork city	3,290	3,220	2,732				

²² UTAH.—County total for 1900 includes population (345) of Manning and Mount Nobo precincts, annexed to Fairfield and Goshen precincts between 1900 and 1910. Elberta and Mosida precincts organized from parts of Goshen precinct, and Genoa precinct organized from parts of Goshen, Payson, and Spring Lake precincts since 1910.

²³ WASATCH.—County totals include population (3,867 in 1910; 170 in 1900) of precincts taken to form Duchesne County in 1915. Bench Creek precinct returned as Woodland in 1910, and Soldier Summit precinct organized from part of Wallsburg precinct since 1910.

²⁴ WASHINGTON.—County total for 1900 includes population (100) of Hebron precinct, annexed to Enterprise precinct between 1900 and 1910. Parts of Central, Gunlock, and St. George precincts taken to form Veyo precinct since 1910.

²⁵ WAYNE.—Thurber precinct changed to Bicknell since 1910. No population reported for Giles precinct in 1920.

¹⁹ SEvier.—County total for 1900 includes population (62) of Gooseberry precinct, annexed to Salina precinct between 1900 and 1910. Sigurd precinct organized from part of Vermilion precinct since 1910.

²⁰ SUMMIT.—Part annexed to Rich County and part of Uintah annexed to Summit in 1917.

²¹ TOOELE.—Burmaster and Saldure precincts organized from parts of Grantsville precinct and Gold Hill precinct organized from part of Deep Creek precinct since 1910. No population reported for Mercur precinct in 1920. Wendover precinct not returned separately in 1910.

²² UNTAH.—Parts annexed to Duchesne and Summit Counties in 1917 and part taken to form Daggett County in 1918. No comparison of population by precincts can be made; numerous changes since 1910.

NUMBER AND DISTRIBUTION.

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TABLE 2.—POPULATION OF COUNTIES BY MINOR CIVIL DIVISIONS: 1920, 1910, AND 1900—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1910 and 1920, see footnotes; for those between 1900 and 1910, see Reports of the Thirteenth Census: 1910, Vol. III, Table 1, p. 869. For population of incorporated places, see Table 3.]

MINOR CIVIL DIVISION.	1920	1910	1900	MINOR CIVIL DIVISION.	1920	1910	1900
Weber County.....	43,463	35,179	25,239	Weber County—Continued.			
Burch Creek precinct.....	786	440	272	Plain City precinct.....	780	779	529
Eden precinct.....	355	423	395	Pleasant View precinct.....	372	387	369
Farr West precinct.....	390	333	304	Randall precinct.....	112	146	-----
Harrisville precinct.....	488	395	319	Riverdale precinct.....	526	353	282
Hooper precinct.....	859	823	886	Roy precinct.....	558	447	183
Huntsville precinct.....	814	906	1,022	Slaterville precinct.....	309	356	400
Kanesville precinct.....	274	137	251	Taylor precinct ²⁷	398	-----	-----
Liberty precinct.....	252	275	274	Uinta precinct.....	310	178	302
Mariott precinct.....	351	359	250	Warren precinct ²⁷	233	433	276
North Ogden precinct.....	1,004	879	850	West Warren precinct ²⁷	158	-----	-----
Ogden City precinct, coextensive with Ogden city.....	32,804	25,580	16,313	West Weber precinct ²⁷	379	823	822
				Wilson precinct.....	951	727	650

²⁷ WEBER.—Taylor precinct organized from part of West Weber precinct and West Warren from part of Warren since 1910.

TABLE 3.—POPULATION OF INCORPORATED PLACES: 1920, 1910, AND 1900.

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Alpine city.....	Utah.....	470	496	520	Logan city.....	Cache.....	9,439	7,522	5,451
American Fork city.....	Utah.....	2,763	2,797	2,732	Mammoth city.....	Juab.....	970	1,771	-----
Bear River city.....	Box Elder.....	490	463	362	Manti city.....	Sanpete.....	2,412	2,423	2,408
Beaver city.....	Beaver.....	1,827	1,899	1,701	Mantua town.....	Box Elder.....	354	-----	-----
Bingham Canyon town.....	Salt Lake.....	2,676	2,881	-----	Mapleton town.....	Utah.....	536	534	-----
Blanding town.....	San Juan.....	875	-----	-----	Marysville city.....	Piute.....	624	-----	-----
Bluff town.....	San Juan.....	150	-----	-----	Mayfield town.....	Sanpete.....	550	485	-----
Bountiful city.....	Davis.....	2,063	1,677	1,442	Meadow town.....	Millard.....	405	331	-----
Brigham city.....	Box Elder.....	5,282	3,685	2,859	Mendon city.....	Cache.....	404	459	404
Castle Dale town.....	Emery.....	715	692	559	Mercur city.....	Tooele.....	(*)	1,047	2,851
Castlegate town.....	Carbon.....	1,120	-----	-----	Midvale city.....	Salt Lake.....	2,209	1,760	-----
Cedar city.....	Iron.....	2,462	1,705	1,428	Midway town.....	Wasatch.....	805	838	719
Centerfield town.....	Sanpete.....	566	495	-----	Milford town.....	Beaver.....	1,308	1,014	-----
Charleston town.....	Wasatch.....	361	283	234	Millcreek town.....	Cache.....	409	353	-----
Clarkston town.....	Cache.....	528	564	-----	Minesville town.....	Beaver.....	675	591	437
Cleveland town.....	Emery.....	244	-----	-----	Moab town.....	Grand.....	856	615	-----
Coalville city.....	Summit.....	771	976	808	Moorcroft town.....	Sevier.....	1,719	1,227	1,057
Corinne city.....	Box Elder.....	394	231	323	Monticello town.....	San Juan.....	708	-----	-----
Delta town.....	Millard.....	939	-----	-----	Morgan city.....	Morgan.....	995	756	600
Duchesne town.....	Duchesne.....	700	-----	-----	Moroni city.....	Sanpete.....	1,365	1,223	1,224
Elsimore town.....	Sevier.....	843	656	625	Mount Pleasant city.....	Sanpete.....	2,415	2,280	2,372
Emery town.....	Emery.....	650	525	-----	Murray city.....	Salt Lake.....	4,584	4,057	-----
Enterprise town.....	Washington.....	598	-----	-----	Myton town.....	Millard.....	479	-----	-----
Ephraim city.....	Sanpete.....	2,287	2,206	2,086	Nephi city.....	Cache.....	2,603	2,759	2,208
Escalante town.....	Garfield.....	1,032	846	-----	Newton town.....	Cache.....	529	516	429
Euroka city.....	Juab.....	3,008	3,410	3,085	Oak City town.....	Millard.....	326	-----	-----
Ewell town.....	Carbon.....	298	(1)	-----	Ogden city.....	Weber.....	32,804	25,580	16,313
Fairview city.....	Sanpete.....	1,423	1,218	1,119	Ophir town.....	Tooele.....	522	254	-----
Farmington city.....	Davis.....	1,170	1,231	908	Parowan city.....	Emery.....	553	648	-----
Ferron town.....	Emery.....	453	651	-----	Panguitch city.....	Garfield.....	1,473	1,338	883
Fielding town.....	Box Elder.....	374	-----	-----	Paradise town.....	Cache.....	505	620	-----
Filmore City.....	Millard.....	1,490	1,191	1,087	Paragonah town.....	Iron.....	440	-----	-----
Fountain Green city.....	Sanpete.....	1,169	875	755	Park City.....	Summit.....	3,393	3,439	3,769
Garland town.....	Box Elder.....	999	600	-----	Parowan city.....	Iron.....	1,640	1,156	1,039
Glenwood town.....	Sevier.....	364	359	422	Payson city.....	Utah.....	8,081	2,397	2,636
Goshen town.....	Utah.....	526	470	645	Peerless town.....	Carbon.....	171	-----	-----
Grantsville city.....	Tooele.....	1,213	1,154	1,058	Perry town.....	Box Elder.....	367	-----	-----
Green River city ^a	Emery.....	645	628	-----	Pleasant Grove city.....	Utah.....	1,682	1,618	2,460
Gunnison city.....	Sanpete.....	1,115	950	829	Price city.....	Carbon.....	2,364	1,021	539
Heber city.....	Wasatch.....	1,031	2,031	1,534	Providence town.....	Cache.....	1,182	1,020	877
Helper town.....	Carbon.....	1,600	816	-----	Provo city.....	Utah.....	10,303	8,925	6,185
Hiawatha town.....	Carbon.....	1,408	553	-----	Rains town.....	Carbon.....	490	-----	-----
Hinckley town.....	Millard.....	821	553	-----	Randolph town.....	Rich.....	538	533	461
Honeyville town.....	Box Elder.....	436	-----	-----	Redmond town.....	Sevier.....	649	547	461
Huntington town.....	Emery.....	1,285	800	653	Ridgefield city.....	Sevier.....	3,262	2,559	1,069
Hurricane town.....	Washington.....	1,021	-----	-----	Richmond city.....	Cache.....	1,396	1,502	1,111
Hyde Park town.....	Cache.....	721	699	-----	Duchesne.....	Duchesne.....	1,054	-----	-----
Hyrum city.....	Cache.....	1,853	1,833	1,652	Rosevelt city.....	Washington.....	2,215	1,737	1,600
Joseph town.....	Sevier.....	224	127	-----	St. George city.....	Salem town.....	809	693	594
Junction town.....	Platte.....	389	-----	-----	Salina town.....	Salina town.....	1,032	847	847
Kamas town.....	Summit.....	503	-----	-----	Salt Lake City.....	Salt Lake.....	118,110	92,777	53,331
Kanab town.....	Kane.....	1,102	733	710	Sandy city.....	Salt Lake.....	1,208	1,087	1,030
Kanosh town.....	Millard.....	573	513	-----	Santa Clara town.....	Washington.....	305	-----	-----
Kaysville city.....	Davis.....	809	887	1,708	Santaquin town.....	Utah.....	976	915	889
Kenilworth town.....	Carbon.....	808	-----	-----	Scipio town.....	Millard.....	543	546	578
Latuda town.....	Carbon.....	343	-----	-----	Scofield town.....	Carbon.....	678	746	642
Lehi city.....	Utah.....	3,078	2,964	2,719	Smithfield city.....	Cache.....	2,421	1,865	1,494
Levan town.....	Juab.....	634	722	-----	Spanish Fork city.....	Utah.....	4,036	3,464	2,735
Lewiston town ^a	Cache.....	1,045	989	-----	Spring City.....	Sanpete.....	1,106	1,100	1,135
Loa town.....	Wayne.....	499	-----	-----	Springville city.....	Utah.....	3,010	3,356	3,422
					Standardville town.....	Carbon.....	545	-----	-----

^a Not returned separately in 1910.

^b Incorporated as a city since 1910.

* See county footnote, Table 2.

† No population reported in 1920.

POPULATION—UTAH.

TABLE 3.—POPULATION OF INCORPORATED PLACES: 1920, 1910, AND 1900—Continued.

[The absence of population figures for 1910 or 1900 indicates that the place was incorporated at some date between the censuses, unless otherwise explained by footnote.]

CITY OR TOWN.	County.	1920	1910	1900	CITY OR TOWN.	County.	1920	1910	1900
Stockton town.....	Tooele.....	238	258	.....	Wales town.....	Sampete.....	280	294	.....
Storms town.....	Carbon.....	656	(¹)	.....	Wallsburg town.....	Wasatch.....	300	.....	.....
Sunnyside town.....	Carbon.....	2,072	.....	1,200	Wattis town.....	Carbon.....	242	.....	.....
Tooele city.....	Tooele.....	3,602	2,753	.....	Washington city.....	Washington.....	464	424	529
Toquerville town.....	Washington.....	331	.....	.....	Wellington town.....	Carbon.....	361	358	.....
Tremonton city ²	Box Elder.....	937	303	.....	Wellsville city.....	Cache.....	1,298	1,195	968
Tropic town.....	Garfield.....	474	358	.....	Willard city.....	Box Elder.....	651	577	.....
Vernal city.....	Uintah.....	1,309	830	684	Winter Quarters town.....	Carbon.....	623	.....	680

¹ Not returned separately in 1910.

² Incorporated as a city since 1910.

TABLE 4.—POPULATION OF WARDS OF CITIES HAVING 5,000 INHABITANTS OR MORE: 1920.

WARD.	1920	WARD.	1920	WARD.	1920	WARD.	1920
Brigham city.....	5,282	Logan city—Con.	.....	Ogden city—Con.	.....	Salt Lake City.....	118,110
Ward 1.....	1,360	Ward 3.....	1,420	Ward 4.....	8,201	Ward 1.....	37,387
Ward 2.....	1,725	Ward 4.....	1,605	Ward 5.....	7,950	Ward 2.....	25,215
Ward 3.....	1,256	Ward 5.....	2,725	Provo city.....	10,303	Ward 3.....	16,071
Ward 4.....	941	Ogden city.....	32,804	(Not reported by wards.)	.....	Ward 4.....	14,867
Logan city.....	9,430	Ward 1.....	7,267	.....	.....	Ward 5.....	24,570
Ward 1.....	1,847	Ward 2.....	4,610	.....	.....	.....	.....
Ward 2.....	1,812	Ward 3.....	4,773	.....	.....	.....	.....

TABLE 5.—URBAN AND RURAL POPULATION OF COUNTIES: 1920, 1910, AND 1900.

[A minus sign (—) denotes decrease.]

COUNTY,	POPULATION.								PER CENT URBAN IN TOTAL POPULATION.			PER CENT OF INCREASE IN—				Rural population per square mile: 1920.
	1920		1910		1900		Urban.	Rural.				1920	1910	1900	Urban population.	Rural population.
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	1910 to 1920.	1900 to 1910.	1910 to 1920.	
Utah.....	215,584	233,812	172,034	200,417	105,427	171,322	48.0	46.3	38.1	24.7	64.0	16.7	17.0	2.8	.....
Box Elder.....	5,282	13,506	3,085	10,209	2,869	7,150	28.1	26.5	28.6	43.3	28.9	32.3	42.8	2.5	.....
Cache.....	9,430	17,553	7,522	15,540	5,451	12,688	35.0	32.6	30.1	25.5	38.0	13.0	22.5	15.1	.....
Juab.....	6,211	3,660	6,175	4,527	3,085	6,997	62.9	57.7	30.6	0.6	100.2	-19.2	-35.3	1.1	.....
Salt Lake.....	125,370	33,912	99,715	31,711	53,531	24,194	78.7	75.9	68.9	25.7	86.3	6.9	31.1	44.9	.....
Sevier.....	3,262	8,019	2,559	7,216	8,451	28.9	26.2	.....	27.5	.....	11.1	-14.6	4.1	.....	.....
Summit.....	3,303	4,469	3,430	4,761	3,750	5,630	43.2	41.9	39.8	-1.3	-8.5	-6.1	-16.2	2.4	.....
Tooele.....	3,602	4,363	2,753	5,171	7,361	45.2	34.7	.....	30.8	.....	-15.6	-29.8	0.6	.....	.....
Utah.....	26,221	14,571	21,606	16,436	20,420	12,027	64.3	56.7	62.9	21.9	5.3	-11.3	36.7	7.2	.....
Weber.....	32,804	10,039	25,580	9,500	16,313	8,920	75.5	72.7	64.6	28.2	56.8	11.0	7.5	19.7	.....
All other counties ¹	123,100	.....	95,247	.....	77,848	.....	.....	.....	.....	29.3	.....	22.3	.....	2.1	.....

¹ Comprises all counties in which there were no incorporated places having 2,500 inhabitants or more in 1920. These counties are Beaver, Carbon, Daggett, Davis, Duchesne, Emery, Garfield, Grand, Iron, Kane, Millard, Morgan, Piute, Rich, San Juan, Sanpete, Uintah, Wasatch, Washington, and Wayne.

COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

This section gives detailed statistics as to the composition and characteristics of the population on January 1, 1920. It contains detailed tables, which present statistics of color or race, nativity, parentage, sex, age, school attendance, citizenship, illiteracy, dwellings and families, and country of birth, for the state and for its counties and cities. There are, besides, eight summary tables, which reproduce from the detailed tables the more important state and city totals, and supplemental tables for the Indian population. There are, also, statistics which cover the following subjects, not included in the second series of state bulletins: Marital condition, state of birth, year of immigration, inability to speak English, country of origin, mother tongue, and ownership of homes. The full presentation of all these subjects is contained in Volume II of the Fourteenth Census Reports.

The principal occupations, as reported for persons 10 years of age and over, are given by sex, color or race, nativity, parentage, and age periods, followed by a summary, by marital condition and age groups, of women gainfully occupied.

Because of the wide differences in characteristics among the various classes of the population, the statistics on each subject are shown according to color or race, and for the white population according to nativity and parentage. Classification according to nativity and parentage has not been deemed necessary for the other races, since nearly all Negroes and Indians are natives of native parentage, while nearly all Chinese and Japanese are either foreign born or of foreign parentage.

The white population is divided into four groups: (1) Native, native parentage—that is, having both parents born in the United States; (2) native, foreign parentage—having both parents born abroad; (3) native, mixed parentage—having one parent native and the other foreign born; (4) foreign born. As the second and third classes do not differ greatly in characteristics, they are combined in certain tables; and in some cases all three native classes are combined.

The presentation of statistics on country of birth of the foreign-born white population is made on the basis of the postwar map. Because of the many political changes which have resulted from the war, comparative figures for 1910 for this class of the population by individual European countries are not presented here.

Since marked differences often exist between urban and rural communities with respect to the composition

and characteristics of their population, the two classes are shown separately in connection with several of the subjects. Urban population, as defined by the Census Bureau, is that residing in cities and other incorporated places having 2,500 inhabitants or more, the remainder being classified as rural.

The census inquiry as to school attendance was merely as to whether the person enumerated had attended school, college, or any kind of educational institution at any time between September 1, 1919, and the census date, January 1, 1920.

The Census Bureau classifies as illiterate any person 10 years of age or over who is unable to write in any language, not necessarily English, regardless of ability to read.

The statistics of marital condition relate only to persons 15 years of age and over, as the number of persons under 15 who are married, widowed, or divorced is naturally insignificant. The terms refer only to the marital status of the population on the census date.

The returns as to state of birth are valuable mainly for the light they throw on the migration of the native population within the United States; they show, for each state, the population residing there on January 1, 1920, distributed as born in the state or elsewhere.

Since the foreign-born population consists mainly of foreign-born whites, the statistics for citizenship relate to this class only. The classification embraces four groups, namely, persons reported as naturalized, persons reported as having taken out first papers, persons reported as aliens, and persons for whom citizenship was not reported.

The inquiry as to year of immigration supplies a means for determining what proportion of the immigrants who arrived during a given year or period of years were still alive and residing in this country on the census date.

The foreign white stock comprises the total of three classes, the foreign-born whites, the native whites of foreign parentage (both parents born abroad), and the native whites of mixed parentage (one parent native and the other foreign born). The term "country of origin," as used in this report, signifies the country of birth of the father of a foreign-born person or the foreign-born parent or parents of a native. The term "mother tongue" means the language of customary speech in the homes of immigrants before immigration.

POPULATION—UTAH.

TABLE 1.—COLOR OR RACE, NATIVITY, PARENTAGE, AND SEX, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920, 1910, AND 1900.

CLASS OF POPULATION.	NUMBER.			PER CENT OF TOTAL.			1920		1910		1900		MALES TO 100 FEMALES. ¹		
	1920	1910	1900	1920	1910	1900	Male.	Female.	Male.	Female.	Male.	Female.	1920	1910	1900
THE STATE.															
Total population...	449,396	373,351	276,749	100.0	100.0	100.0	232,051	217,345	196,863	176,488	141,687	135,062	106.8	111.5	104.9
White.....	441,901	366,583	272,465	98.3	98.2	98.5	227,232	214,689	192,118	174,465	138,923	133,542	105.9	110.1	104.9
Negro.....	1,446	1,144	672	0.3	0.3	0.2	834	612	691	463	454	218	136.3	152.5	208.3
Indian.....	2,711	3,123	2,623	0.6	0.8	0.9	1,442	1,269	1,673	1,450	1,353	1,270	113.6	115.4	108.5
Chinese.....	342	371	572	0.1	0.1	0.2	814	28	345	26	551	21	—	—	—
Japanese.....	2,936	2,110	417	0.7	0.6	0.2	2,174	762	2,021	89	406	11	285.3	—	—
All other.....	2,60	20	—	(3)	(3)	—	55	5	15	5	—	—	—	—	—
Native white, total.....	385,446	303,190	219,661	85.8	81.2	79.4	196,357	189,089	156,172	147,018	112,195	107,466	103.8	106.2	104.4
Native parentage.....	245,781	171,663	104,026	54.7	46.0	37.6	125,360	120,421	89,205	82,458	53,438	50,588	104.1	108.2	105.6
Foreign parentage.....	75,901	72,983	69,204	16.9	19.8	25.0	39,185	30,716	38,042	35,041	35,377	33,827	106.7	105.8	104.6
Mixed parentage.....	63,764	57,544	46,431	14.2	15.4	16.8	31,812	31,952	28,925	28,610	23,380	23,051	99.6	101.1	101.4
Foreign-born white.....	56,455	63,393	52,804	12.6	17.0	19.1	30,875	25,580	35,946	27,447	26,728	26,076	120.7	131.0	102.5
URBAN POPULATION.															
Total.....	215,584	172,934	105,427	100.0	100.0	100.0	108,105	107,419	89,053	83,881	51,779	53,948	100.7	106.2	98.5
White.....	213,470	170,884	104,695	99.0	98.8	99.3	106,768	106,707	87,487	83,397	51,232	53,463	100.1	104.9	95.8
Negro.....	1,006	959	343	0.5	0.6	0.3	558	448	573	386	186	157	124.6	148.4	118.5
Indian, Chinese, Japanese, and all other.....	1,108	1,091	389	0.5	0.6	0.4	844	264	993	98	361	28	310.7	—	—
Native white, total.....	181,159	137,490	81,800	84.0	79.5	77.6	90,215	90,944	69,899	67,591	40,545	41,255	99.2	103.4	98.3
Native parentage.....	108,034	73,559	37,414	50.1	42.5	35.5	54,235	52,799	38,237	35,322	18,773	18,641	100.8	108.3	100.7
Foreign parentage.....	41,049	37,797	36,260	19.0	21.9	23.1	20,553	20,496	18,802	18,995	12,374	12,360	100.3	99.0	99.3
Mixed parentage.....	32,076	26,134	22,380	14.9	15.1	14.2	15,427	16,649	17,588	16,808	10,687	12,208	92.7	96.9	97.5
Foreign-born white.....	32,311	33,394	22,805	15.0	19.3	21.7	10,548	15,763	17,588	16,808	10,687	10,50	111.3	87.5	—
RURAL POPULATION.															
Total.....	233,812	200,417	171,322	100.0	100.0	100.0	123,886	109,926	107,810	92,607	89,908	81,414	112.7	116.4	110.4
White.....	228,431	195,609	167,770	97.7	97.6	97.9	120,469	107,962	104,631	91,068	87,691	80,079	111.6	114.0	109.5
Negro.....	440	185	329	0.2	0.1	0.2	276	164	118	67	268	61	168.3	—	—
Indian, Chinese, Japanese, and all other.....	4,941	4,533	3,223	2.1	2.3	1.9	3,141	1,800	3,061	1,472	1,949	1,274	174.5	207.9	153.0
Native white, total.....	204,287	165,700	137,861	87.4	82.7	80.5	106,142	98,145	86,273	79,427	71,650	66,211	108.1	108.6	108.2
Native parentage.....	137,747	98,104	66,612	58.9	48.0	33.9	71,125	66,622	50,968	47,136	34,665	31,947	100.8	108.1	108.5
Foreign parentage.....	34,852	36,186	71,249	14.9	18.1	41.6	18,632	16,220	19,240	16,946	15,345	30,085	34,204	114.9	113.5
Mixed parentage.....	31,688	31,410	29,909	13.6	15.7	41.6	16,385	15,303	16,065	15,345	11,641	16,041	107.1	104.7	107.0
Foreign-born white.....	24,144	29,990	29,909	10.3	15.0	17.5	14,327	9,817	18,358	11,641	13,808	145.0	157.7	115.7	—

¹ Ratio not shown where number of females is less than 100.² Comprises 23 Hindus, 13 Koreans, 12 Filipinos, 6 Hawaiians, and 1 Maori.³ Less than one-tenth of 1 per cent.

TABLE 2.—SCHOOL ATTENDANCE, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[Per cent not shown where base is less than 100. For statistics of school attendance for Indian population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.				FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.		Foreign or mixed parentage.							
	Total number.	Attending school.	Number.	Per cent.	Total number.	Attending school.	Number.	Per cent.	Total number.	Attending school.	Number.	Per cent.	
THE STATE: 1920													
5 to 20 years, inclusive.....	150,339	116,385	73.0	—	110,896	83,400	75.2	42,823	30,104	70.3	4,036	2,162	53.6
Male.....	80,014	58,622	73.3	—	55,498	41,857	75.4	21,619	15,212	70.4	2,005	1,133	56.5
Female.....	79,325	57,763	72.8	—	55,400	41,543	75.0	21,204	14,892	70.2	2,031	1,029	50.7
5 and 6 years.....	23,300	8,477	36.4	—	17,448	6,207	36.1	5,442	2,084	37.4	152	61	40.1
7 to 13 years.....	73,057	71,611	95.5	—	54,169	52,021	96.0	18,786	17,989	95.8	1,344	1,106	89.0
14 and 15 years.....	18,009	17,719	93.7	—	12,806	12,158	94.9	5,342	4,988	93.4	615	485	78.9
16 and 17 years.....	17,435	12,456	71.4	—	11,420	8,502	75.2	5,196	3,490	67.2	651	298	45.8
18 to 20 years.....	24,738	6,122	24.7	—	15,053	4,332	28.8	8,057	1,603	19.9	1,274	122	9.6
URBAN POPULATION.													
5 and 6 years.....	9,712	4,014	41.3	—	6,734	2,806	41.7	2,847	1,159	40.7	92	38	—
7 to 13 years.....	32,549	31,188	95.8	—	21,725	20,888	96.1	9,954	9,532	95.8	762	673	88.8
14 to 20 years.....	28,812	16,508	58.3	—	16,702	10,661	63.8	9,885	5,209	52.7	1,581	570	36.1
RURAL POPULATION.													
5 and 6 years.....	13,588	4,463	32.8	—	10,714	3,491	32.6	2,595	875	33.7	60	23	—
7 to 13 years.....	42,408	40,423	95.3	—	32,444	31,133	96.0	8,832	8,457	95.8	582	523	89.9
14 to 20 years.....	32,770	19,789	60.4	—	23,577	14,421	63.0	8,710	4,872	55.9	959	335	34.9
THE STATE: 1910													
5 to 20 years, inclusive.....	130,809	85,002	65.4	—	74,522	51,038	68.5	49,420	31,079	64.7	5,407	2,337	42.7
Male.....	66,171	43,295	65.4	—	37,437	25,796	68.9	24,804	16,102	65.1	3,081	1,180	38.3
Female.....	64,638	42,307	65.5	—	37,085	25,242	68.1	24,556	15,787	64.3	2,386	1,157	48.5
5 and 6 years.....	19,525	4,877	25.0	—	13,039	3,182	24.4	5,879	1,563	26.6	400	109	27.3
7 to 13 years.....	55,551	53,644	91.6	—	35,400	32,546	91.9	12,842	10,404	93.1	1,553	88.8	80
14 and 15 years.....	16,102	13,408	88.8	—	8,104	7,884	91.1	6,317	5,603	88.7	550	334	69.8
16 and 17 years.....	15,239	8,894	58.4	—	7,694	5,129	66.7	6,666	3,550	53.3	741	187	25.2
18 to 20 years.....	22,392	4,779	21.3	—	10,285	2,797	27.2	9,716	1,859	19.1	2,016	94	4.7
URBAN POPULATION.													
5 and 6 years.....	7,838	2,255	28.8	—	4,738	1,297	27.4	2,845	878	30.9	230	69	30.0
7 to 13 years.....	24,233	22,485	92.8	—	13,083	12,078	92.3	10,022	9,309	93.8	1,061	950	57

COMPOSITION AND CHARACTERISTICS.

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TABLE 3.—AGE, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[Per cent not shown where base is less than 100. For statistics of age for Indian population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.								
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	
THE STATE.															
All ages: 1920.....	449,396	232,051	217,345	245,781	125,360	120,421	139,065	70,997	68,688	58,455	30,875	25,580	1,446	834	612
Under 5 years.....	61,375	31,162	30,213	48,052	24,428	23,624	12,300	6,218	6,082	105	70	56	95	50	46
Under 1 year.....	12,066	6,150	5,916	9,627	4,923	4,699	2,253	1,112	1,141	12	7	5	22	14	8
5 to 9 years.....	56,491	28,594	27,897	41,978	21,218	20,760	13,375	6,810	6,565	506	280	256	78	34	44
10 to 14 years.....	51,626	26,033	25,593	36,303	18,296	18,097	13,580	6,888	6,692	619	620	677	46	31	
15 to 19 years.....	45,373	21,585	21,788	27,858	13,795	14,063	13,243	6,606	6,637	1,701	882	909	67	37	30
20 to 44 years.....	161,093	84,288	76,805	71,131	36,373	34,753	62,225	31,134	31,091	24,057	14,307	9,750	826	465	361
45 years and over.....	74,977	40,104	34,873	20,107	11,068	9,009	24,855	13,291	11,504	28,550	14,651	13,905	294	196	98
Age unknown.....	461	285	176	262	152	110	87	50	37	81	57	24	9	6	3
18 to 44 years.....	177,982	92,645	85,337	81,517	41,469	40,048	67,657	33,872	33,785	24,891	14,685	10,206	863	480	383
21 years and over.....	228,682	120,875	107,807	80,833	40,436	41,397	84,542	43,160	41,382	52,254	28,791	23,463	1,104	652	452
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	13.7	13.4	13.9	19.6	19.5	19.6	8.8	8.8	8.9	0.3	0.3	0.3	6.6	6.0	7.4
Under 1 year.....	2.7	2.7	2.7	3.9	3.9	3.9	1.6	1.6	1.7	(1)	(1)	(1)	1.5	1.7	1.3
5 to 9 years.....	12.6	12.3	12.8	17.1	16.9	17.2	9.6	9.6	9.6	1.0	0.9	1.1	5.4	4.1	7.2
10 to 14 years.....	11.5	11.2	11.8	14.8	14.6	15.0	9.7	9.7	9.7	2.2	2.0	2.4	5.3	5.5	5.1
15 to 19 years.....	9.7	9.3	10.0	11.3	11.0	11.7	9.5	9.3	9.7	3.2	2.9	3.6	4.6	4.4	4.9
20 to 44 years.....	35.8	36.3	35.3	28.9	28.9	28.9	44.6	43.9	45.3	42.6	46.3	38.1	57.1	55.8	59.0
45 years and over.....	16.7	17.3	16.0	8.2	8.9	7.5	17.8	18.7	16.8	50.6	47.5	54.4	20.3	23.5	16.0
18 to 44 years.....	39.6	39.9	39.3	33.2	33.1	33.3	48.4	47.7	49.2	44.1	47.6	39.9	69.7	57.6	62.6
21 years and over.....	50.9	52.1	49.6	35.3	36.2	34.4	60.5	60.8	60.3	92.6	93.3	91.7	76.3	78.2	73.9
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	14.1	13.5	14.8	21.7	21.1	22.5	10.9	10.9	11.0	0.7	0.6	0.8	4.9	4.1	6.2
Under 1 year.....	2.9	2.8	3.1	4.6	4.5	4.8	2.2	2.1	2.2	(1)	(1)	(1)	1.2	0.9	1.8
5 to 9 years.....	12.3	11.8	12.8	17.3	16.9	17.9	11.0	11.0	11.0	1.8	1.6	2.0	5.4	4.2	7.3
10 to 14 years.....	10.7	10.3	11.2	13.4	13.0	13.7	11.7	11.7	11.8	2.1	1.8	2.4	4.8	4.1	6.0
15 to 19 years.....	10.0	9.6	10.6	10.8	10.4	11.3	12.4	12.1	12.7	3.4	3.5	3.4	6.1	4.1	9.3
20 to 44 years.....	37.4	39.0	35.6	27.7	28.8	26.6	44.6	44.3	44.8	46.7	51.6	40.4	61.4	63.0	59.9
45 years and over.....	15.1	15.3	14.9	8.6	9.4	7.7	9.2	9.8	8.6	44.7	40.0	50.9	16.2	19.0	11.9
18 to 44 years.....	41.4	42.9	39.4	31.8	32.7	30.9	49.5	49.2	49.9	48.6	53.6	41.9	63.7	64.4	62.7
21 years and over.....	50.8	52.9	48.5	34.8	37.0	32.5	51.5	52.0	51.0	90.7	90.8	90.5	77.0	82.2	69.1
URBAN POPULATION.															
All ages: 1920.....	215,584	108,165	107,419	108,034	54,235	53,799	73,125	35,980	37,145	32,311	16,548	15,763	1,006	558	448
Under 5 years.....	25,287	12,793	12,494	18,507	9,372	9,135	6,512	3,278	3,234	91	47	44	58	29	29
Under 1 year.....	4,072	2,536	2,436	3,692	1,898	1,794	1,239	615	624	6	3	3	14	7	7
5 to 9 years.....	23,631	12,023	11,908	16,470	8,235	8,235	7,041	3,580	3,461	319	162	157	49	19	30
10 to 14 years.....	22,650	11,330	11,320	14,723	7,361	7,362	7,145	3,567	3,578	716	357	359	49	30	19
15 to 19 years.....	20,173	9,691	10,382	11,911	5,688	6,223	7,037	3,394	3,643	1,125	537	588	41	23	18
20 to 44 years.....	82,964	41,584	41,380	35,312	17,637	17,675	32,979	15,845	17,134	18,489	7,347	6,142	581	312	269
45 years and over.....	40,301	20,573	19,728	10,949	5,851	5,098	12,362	6,290	6,072	16,526	8,065	8,461	223	141	82
Age unknown.....	278	171	107	162	91	71	49	26	23	45	33	12	5	4	1
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.7	11.8	11.6	17.1	17.3	17.0	8.9	9.1	8.7	0.3	0.3	0.3	5.8	5.2	6.5
5 to 9 years.....	11.1	11.1	11.1	15.2	15.2	15.3	9.6	9.9	9.3	1.0	1.0	1.0	4.9	3.4	6.7
10 to 14 years.....	10.5	10.5	10.5	13.6	13.6	13.7	9.8	9.9	9.6	2.2	2.2	2.3	4.9	5.4	4.2
15 to 19 years.....	9.4	9.0	9.8	11.0	10.5	11.6	9.6	9.4	9.8	3.5	3.2	3.7	4.1	4.1	4.0
20 to 44 years.....	38.5	38.4	38.5	32.7	32.5	32.9	45.1	44.0	46.1	41.7	44.4	39.0	57.8	55.9	60.0
45 years and over.....	18.7	19.0	18.4	10.1	10.8	9.5	16.9	17.5	16.3	51.1	48.7	53.7	22.2	25.3	18.3
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	12.4	12.2	12.6	18.9	18.3	19.5	11.3	11.6	10.9	0.7	0.7	0.8	4.2	3.1	5.7
5 to 9 years.....	10.7	10.5	10.9	14.7	14.3	15.2	10.9	11.2	10.6	2.0	2.0	2.3	4.5	3.8	5.4
10 to 14 years.....	9.7	9.5	10.0	11.7	11.3	12.1	11.6	11.8	11.4	2.4	2.3	2.5	3.6	3.5	3.9
15 to 19 years.....	9.8	9.3	10.4	10.4	9.6	11.2	12.5	12.1	12.9	3.8	3.8	5.2	3.1	3.1	8.3
20 to 44 years.....	40.5	41.5	39.5	33.2	34.5	31.8	44.6	43.5	45.7	47.1	50.6	43.2	66.1	66.8	65.0
45 years and over.....	16.4	16.4	16.3	10.3	11.0	9.6	8.9	9.6	8.3	43.7	40.3	47.0	14.9	17.5	11.1
Per cent: 1920.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	15.4	14.8	16.1	21.4	21.2	21.7	8.7	8.4	9.0	0.3	0.2	0.4	8.4	7.6	9.8
5 to 9 years.....	13.9	13.4	14.5	18.5	18.3	18.8	9.5	9.2	9.8	1.0	0.8	1.3	6.6	5.4	8.5
10 to 14 years.....	12.4	11.9	13.0	15.7	15.4	16.1	9.7	9.5	9.9	2.2	1.8	2.7	6.4	5.8	7.3
15 to 19 years.....	9.9	9.6	10.3	11.6	11.4	11.8	9.3	9.2	9.5	2.6	2.4	3.3	5.9	5.1	7.3
20 to 44 years.....	33.4	34.5	32.2	28.0	26.3	25.6	44.0	43.7	44.3	43.8	48.6	36.8	55.7	55.4	66.1
45 years and over.....	14.8	15.8	13.8	6.6	7.4	5.9	18.8	20.0	17.4	49.8	46.0	55.5	16.1	19.9	9.8
Per cent: 1910.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	15.6	14.6	16.8	23.9	23.1	24.7	10.6	10.2	11.1	0.8	0.5	0.8	8.6	8.5	-----
5 to 9 years.....	13.6	12.9	14.5	19.3	18.8	19.8	11.2	10.9	11.4	1.5	1.3	2.0	10.3	5.9	-----
10 to 14 years.....	11.6	11.0	12.3	14.7	14.3	15.0	11.8	11.6	12.1	1.7	1.4	2.2	10.8	6.8	-----
15 to 19 years.....	10.2	9.8	10.7	11.2	11.0	11.4	12.2	12.0	12.5	3.0	3.1	2.8	10.8	8.5	-----
20 to 44 years.....	34.7	37.0	32.0	23.6	24.5	22.6	44.5	45.1	44.0	46.4	52.5	36.7	36.		

POPULATION—UTAH.

TABLE 4.—ILLITERACY, FOR THE STATE AND URBAN AND RURAL POPULATION: 1920 AND 1910.

[Per cent not shown where base is less than 100. For statistics of illiteracy for Indian population, see supplemental table.]

AGE PERIOD.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.								
	Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.		Total number.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
THE STATE: 1920															
10 years and over.....	331,530	6,264	1.9	155,751	535	0.3	113,880	390	0.3	55,724	3,504	6.3	1,273	59	4.6
Male.....	172,205	3,673	2.1	79,714	302	0.4	57,969	236	0.4	30,516	2,053	6.7	750	29	3.9
Female.....	159,235	2,586	1.6	76,037	233	0.3	56,021	154	0.3	25,208	1,451	5.8	523	30	5.7
10 to 15 years.....	60,675	272	0.4	42,445	61	0.1	16,195	45	0.3	1,545	22	1.4	86	2	.....
Male.....	30,664	157	0.5	21,288	36	0.2	8,215	30	0.4	786	10	1.3	53	2	.....
Female.....	30,111	115	0.4	21,157	25	0.1	7,980	15	0.2	759	12	1.6	33	.....	.....
16 to 20 years.....	42,173	313	0.7	26,473	64	0.2	13,253	36	0.3	1,925	69	3.6	83	2	.....
Male.....	20,856	179	0.9	12,990	42	0.3	6,594	19	0.3	939	34	3.6	45	.....	.....
Female.....	21,317	134	0.6	13,483	22	0.2	6,059	17	0.3	986	35	3.5	38	2	.....
21 years and over.....	228,682	5,679	2.5	86,833	410	0.5	84,542	309	0.4	52,254	3,413	6.5	1,104	55	5.0
Male.....	120,875	3,342	2.8	45,436	224	0.5	43,160	187	0.4	28,791	2,009	7.0	652	27	4.1
Female.....	107,807	2,337	2.2	41,397	186	0.4	41,382	122	0.3	23,463	1,404	6.0	452	28	6.2
URBAN POPULATION.															
10 years and over.....	166,366	2,168	1.3	73,057	240	0.3	50,572	171	0.3	31,901	1,531	4.8	899	23	2.6
Male.....	83,349	1,137	1.4	36,628	123	0.3	29,122	94	0.3	16,339	766	4.7	510	8	1.6
Female.....	83,017	1,031	1.2	36,429	117	0.3	30,450	77	0.3	15,562	705	4.9	389	15	3.9
10 to 15 years.....	26,716	68	0.3	17,239	32	0.2	8,499	25	0.3	900	10	1.1	55	.....	.....
16 to 20 years.....	19,926	85	0.4	11,452	23	0.2	7,146	21	0.3	1,216	29	2.4	50	.....	.....
21 years and over.....	119,724	2,016	1.7	44,366	185	0.4	43,927	125	0.3	29,785	1,492	5.0	794	23	2.9
RURAL POPULATION.															
10 years and over.....	165,164	4,096	2.5	82,094	295	0.4	54,418	219	0.4	23,823	1,973	8.3	374	36	9.6
Male.....	88,946	2,541	2.9	43,086	179	0.4	28,347	142	0.5	14,177	1,287	9.1	240	21	8.8
Female.....	76,218	1,555	2.0	39,608	116	0.3	25,571	77	0.3	9,646	686	7.1	134	15	11.2
10 to 15 years.....	33,059	204	0.6	25,206	29	0.1	7,696	20	0.3	645	12	1.9	31	2	.....
16 to 20 years.....	22,247	223	1.0	15,021	41	0.3	6,107	15	0.2	709	40	5.6	33	2	.....
21 years and over.....	108,958	3,664	3.4	42,467	225	0.5	40,615	184	0.5	22,469	1,921	8.5	310	32	10.3
THE STATE: 1910															
10 years and over.....	274,778	6,821	2.5	104,565	405	0.4	102,811	367	0.4	61,840	3,636	5.9	1,026	49	4.8
Male.....	147,009	3,990	2.7	55,367	238	0.4	53,274	210	0.4	35,149	2,140	6.1	634	23	4.4
Female.....	127,769	2,831	2.2	49,198	227	0.5	50,337	157	0.3	20,091	1,496	5.6	392	21	6.4
10 to 15 years.....	47,303	322	0.7	20,769	38	0.1	18,523	30	0.2	1,582	23	1.5	64	1	.....
Male.....	23,597	169	0.7	13,487	17	0.1	9,393	16	0.2	792	12	1.5	30	1	.....
Female.....	23,406	153	0.7	13,282	21	0.2	9,130	14	0.2	700	11	1.4	34	.....	.....
16 to 20 years.....	37,631	528	1.4	17,979	35	0.2	16,382	36	0.2	2,757	218	7.9	81	1	.....
Male.....	18,997	344	1.8	8,901	22	0.2	8,076	21	0.3	1,705	169	9.9	36	1	.....
Female.....	18,634	184	1.0	9,078	13	0.1	8,308	15	0.2	1,052	49	4.7	45	.....	.....
21 years and over.....	180,844	5,971	3.1	59,817	392	0.7	67,706	301	0.4	57,501	3,395	5.9	881	47	5.3
Male.....	104,115	3,477	3.3	32,979	199	0.6	34,805	173	0.5	32,652	1,059	6.0	508	20	4.6
Female.....	85,729	2,494	2.9	26,838	193	0.7	32,901	128	0.4	24,849	1,436	5.8	313	21	6.7
URBAN POPULATION.															
10 years and over.....	132,961	2,153	1.6	48,802	182	0.4	40,744	126	0.3	32,486	1,580	4.9	876	38	4.3
Male.....	68,809	1,189	1.7	25,759	84	0.3	24,428	71	0.3	17,115	802	4.7	533	19	3.6
Female.....	64,152	904	1.5	23,043	98	0.4	25,316	55	0.2	15,371	778	5.1	343	19	5.5
10 to 15 years.....	19,977	38	0.2	10,051	14	0.1	8,922	13	0.1	952	11	1.2	44	.....	.....
16 to 20 years.....	17,393	144	0.8	7,586	17	0.2	8,122	7	0.1	1,557	105	6.7	57	1	.....
21 years and over.....	95,591	1,971	2.1	31,165	151	0.5	32,700	106	0.3	29,977	1,464	4.9	775	37	4.8
RURAL POPULATION.															
10 years and over.....	141,817	4,668	3.3	55,763	283	0.5	52,867	241	0.5	29,354	2,056	7.0	150	11	7.3
Male.....	78,200	2,801	3.6	29,608	154	0.5	27,846	139	0.5	18,034	1,338	7.4	101	9	8.9
Female.....	63,617	1,867	2.9	26,155	129	0.5	25,021	102	0.4	11,320	718	6.3	49	2	.....
10 to 15 years.....	27,326	284	1.0	16,718	24	0.1	9,601	17	0.2	630	12	1.9	20	1	.....
16 to 20 years.....	20,238	384	1.9	10,393	18	0.2	8,260	29	0.4	1,200	113	9.4	24	24	.....
21 years and over.....	94,263	4,000	4.2	28,652	241	0.8	35,096	195	0.6	27,524	1,931	7.0	106	10	9.4

COMPOSITION AND CHARACTERISTICS.

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TABLE 5.—POPULATION 21 YEARS OF AGE AND OVER, BY SEX, CLASS OF POPULATION, AND CITIZENSHIP, FOR THE STATE: 1920 AND 1910.

CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.			CLASS OF POPULATION AND CITIZENSHIP.	POPULATION 21 YEARS OF AGE AND OVER.			PER CENT DISTRIBUTION.		
	Male.		Female: 1920	Male.		Fe- male: 1920		Male.		Female: 1920	Male.		
	1920	1910		1920	1910			1920	1910		1920	1910	
Total.....	120,875	104,115	107,807	100.0	100.0	100.0	Native white.....	88,596	67,784	82,779	73.3	65.1	76.8
White.....	117,387	100,436	106,242	97.1	96.5	98.5	Native parentage.....	45,436	32,979	41,397	37.6	31.7	38.4
Negro.....	652	568	452	0.5	0.5	0.4	Foreign parentage.....	27,082	23,472	24,036	22.4	22.5	23.1
Indian.....	783	885	625	0.6	0.9	0.6	Mixed parentage.....	16,098	11,333	16,446	13.3	10.9	15.3
Chinese.....	287	324	21	0.2	0.3	(1)	Foreign-born white.....	28,791	32,652	23,463	23.8	31.4	21.8
Japanese.....	1,716	1,869	464	1.4	1.8	0.4	Naturalized.....	16,377	15,351	16,816	13.5	14.7	15.6
All other.....	50	13	3	(1)	(1)	(1)	Having first papers.....	3,563	2,415	348	2.9	2.3	0.3
							Alien.....	7,604	9,628	5,320	6.3	9.2	4.9
							Unknown.....	1,187	5,260	980	1.0	5.1	0.9

¹ Less than one-tenth of 1 per cent.

TABLE 6.—COUNTRY OF BIRTH OF THE FOREIGN-BORN WHITE, FOR THE STATE AND SALT LAKE CITY: 1920.

COUNTRY OF BIRTH.	THE STATE.		SALT LAKE CITY.		COUNTRY OF BIRTH.	THE STATE.		SALT LAKE CITY.	
	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.
All countries.....	56,455	100.0	10,434	100.0	Jugo-Slavia.....	836	1.5	56	0.3
Australia.....	221	0.4	101	0.5	Mexico.....	1,083	1.9	214	1.1
Austria.....	987	1.7	213	1.1	Netherlands.....	1,980	3.5	874	4.5
Canada.....	1,466	2.6	752	3.9	Norway.....	2,109	3.7	870	4.5
Denmark.....	6,970	12.3	1,011	8.3	Poland.....	240	0.4	132	0.7
England.....	14,836	26.3	5,524	28.4	Russia.....	684	1.2	430	2.2
Finland.....	779	1.4	75	0.4	Scotland.....	2,310	4.1	977	5.0
France.....	434	0.8	133	0.7	Spain.....	250	0.4	50	0.3
Germany.....	3,589	6.4	2,033	10.5	Sweden.....	6,073	10.8	2,253	11.6
Greece.....	3,029	5.4	548	2.8	Switzerland.....	1,566	2.8	610	3.1
Ireland.....	1,207	2.1	574	3.0	Wales.....	1,304	2.3	416	2.1
Italy.....	3,225	5.7	496	2.6	All other countries.....	1,277	2.3	487	2.5

TABLE 7.—INDIANS, CHINESE, AND JAPANESE, FOR COUNTIES AND FOR CITIES OF 25,000 OR MORE: 1920, 1910, AND 1900.

POPULATION—UTAH.

TABLE 8.—AGE, FOR CITIES OF 10,000 OR MORE: 1920.

COMPOSITION AND CHARACTERISTICS.

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TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920.

[Parts of Uintah and Wasatch taken to form new counties since 1910. For detailed notes concerning changes in boundaries, see Vol. I, 1920, p. 148.]
[Per cent not shown where base is less than 100. For statistics of Indian population, by counties, see supplemental table.]

SUBJECT.	THE STATE.	Beaver.	Box Elder.	Cache.	Carbon.	Daggett. ¹	Davis.	Duchesne. ¹	Emery.	Gard-
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	449,396	5,139	18,788	26,992	15,489	400	11,450	9,093	7,411	4,768
Male.....	232,051	2,700	9,793	13,521	9,226	208	5,828	4,887	3,949	2,497
Female.....	217,345	2,430	8,995	13,471	6,263	192	5,622	4,206	3,462	2,271
Native white.....	385,446	4,709	16,278	23,822	10,742	379	10,380	8,702	6,637	4,629
Male.....	190,357	2,506	8,393	11,963	5,776	192	5,256	4,664	3,470	2,426
Female.....	199,089	2,263	7,885	11,859	4,966	187	5,124	4,038	3,167	2,203
Native white—Native parentage.....	245,781	3,430	10,683	14,594	5,794	294	7,077	6,659	4,736	3,804
Native white—Foreign parentage.....	75,901	684	2,831	5,159	3,341	35	1,598	774	936	322
Native white—Mixed parentage.....	63,764	655	2,764	4,069	1,607	50	1,705	969	965	503
Foreign-born white.....	50,455	306	2,034	3,057	4,018	21	913	317	663	134
Male.....	30,375	158	1,113	1,290	2,877	16	477	184	403	69
Female.....	25,580	148	921	1,567	1,141	5	436	133	260	65
Negro.....	1,446	.....	31	13	196	.....	.....	4	64	1
Male.....	834	.....	20	8	114	.....	.....	3	43	1
Female.....	612	.....	11	5	82	.....	.....	1	21	.....
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	6,049	64	445	100	533	.....	157	70	47	4
Per cent native white.....	85.8	92.8	86.6	88.3	69.4	94.8	90.7	95.7	89.6	97.1
Per cent foreign-born white.....	12.6	6.0	10.8	11.3	25.9	5.3	8.0	3.5	8.9	2.8
Per cent Negro.....	0.3	.....	0.2	(*)	1.3	.....	(*)	0.9	(*)	.....
1910: Total population.....	373,351	4,717	18,894	23,062	8,624	.....	10,191	.....	6,750	3,660
Native white.....	303,190	4,174	11,699	19,221	5,031	.....	8,918	.....	6,061	3,499
Foreign-born white.....	63,303	468	1,889	3,777	3,387	.....	1,157	.....	645	161
Negro.....	1,144	13	7	7	6	.....	.....	1	.....	.....
Per cent native white.....	81.2	88.5	84.2	83.3	58.3	.....	87.5	.....	89.8	95.6
Per cent foreign-born white.....	17.0	9.9	13.6	16.4	39.3	.....	11.4	.....	9.6	4.4
Per cent Negro.....	0.3	0.3	0.1	(*)	0.1	.....	(*)	0.9	(*)	.....
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	84,675	1,056	4,061	5,430	3,288	95	2,258	2,223	1,625	1,216
Total 7 to 13 years, inclusive.....	74,957	903	3,468	4,848	2,314	78	2,089	1,804	1,371	982
Number attending school.....	71,611	876	3,199	4,735	2,246	69	2,032	1,742	1,277	931
Per cent attending school.....	95.5	97.0	92.2	97.7	97.1	.....	97.3	90.6	93.1	94.8
Total 14 and 15 years.....	18,909	223	806	1,278	488	18	566	454	373	238
Number attending school.....	17,719	219	731	1,214	430	17	537	423	359	225
Per cent attending school.....	93.7	98.2	90.7	95.0	90.0	.....	94.9	93.2	96.2	95.0
Total 16 and 17 years.....	17,435	197	759	1,187	430	16	517	381	323	207
Number attending school.....	12,456	151	480	913	247	10	397	253	245	122
Per cent attending school.....	71.4	76.6	63.2	76.9	57.4	.....	76.8	66.4	75.9	58.9
Total 18 to 20 years, inclusive.....	24,738	274	1,018	1,021	701	17	679	476	410	243
Number attending school.....	6,122	78	219	487	67	.....	216	107	126	42
Per cent attending school.....	24.7	28.5	21.5	30.0	9.6	.....	31.8	22.5	30.7	17.3
Males 21 years of age and over.....	120,875	1,341	4,658	6,346	5,546	103	2,696	2,099	1,855	1,002
Native white—Native parentage.....	45,436	500	1,657	1,083	1,394	57	1,003	1,247	770	593
Native white—Foreign or mixed parentage.....	43,160	501	1,794	2,928	666	31	1,121	657	637	346
Foreign-born white.....	25,791	152	1,015	1,389	2,682	15	451	173	381	61
Naturalized.....	10,377	116	552	1,045	695	9	247	131	202	50
First papers.....	3,563	5	94	143	511	4	46	17	31	2
Alien.....	7,664	27	293	127	317	1	97	11	120	1
Unknown.....	1,187	4	46	74	159	1	61	14	28	8
Negro.....	552	8	6	92	.....	.....	1	36	1	.....
Indian, Chinese, Japanese, and all other.....	2,830	38	184	40	412	.....	61	21	31	1
Females 21 years of age and over.....	107,807	1,145	4,018	6,282	2,724	73	2,645	1,656	1,454	880
Native white—Native parentage.....	41,397	519	1,477	2,042	910	47	1,088	1,003	766	530
Native white—Foreign or mixed parentage.....	41,382	468	1,619	2,757	757	21	1,121	519	438	285
Foreign-born white.....	23,463	142	817	1,402	947	5	399	122	238	62
Naturalized.....	10,815	125	610	1,165	417	5	261	90	171	54
First papers.....	348	11	22	8	.....	4	.....	.....	.....	.....
Alien.....	5,320	13	139	186	485	55	55	9	46	5
Unknown.....	980	4	67	89	37	79	14	21	21	3
Negro.....	452	5	2	59	59	.....	.....	15	.....	.....
Indian, Chinese, Japanese, and all other.....	1,113	16	100	19	51	37	12	7	3	.....
Males 18 to 44 years, inclusive.....	92,645	1,068	3,677	4,902	4,780	88	2,050	1,657	1,455	823
Females 18 to 44 years, inclusive.....	85,337	914	3,313	4,848	2,555	60	2,045	1,460	1,205	764
ILLITERACY.										
Total 10 years of age and over.....	331,530	3,670	13,146	19,473	11,117	272	8,281	6,048	5,163	3,123
Number illiterate.....	6,264	28	285	158	559	.....	115	40	59	23
Per cent illiterate.....	1.9	0.8	2.2	0.8	5.0	.....	1.4	0.7	1.1	0.7
Per cent illiterate in 1910.....	2.5	4.4	1.2	1.3	7.0	1.3	.....	.....	2.3	1.1
Native white.....	209,741	3,311	10,821	16,368	6,538	251	7,263	5,684	4,414	2,985
Number illiterate.....	925	7	28	64	30	.....	35	20	24	18
Per cent illiterate.....	0.3	0.2	0.3	0.4	0.5	.....	0.5	0.4	0.5	0.6
Foreign-born white.....	55,724	301	1,979	3,029	3,927	21	906	314	648	133
Number illiterate.....	3,604	20	146	83	496	67	11	30	30	4
Per cent illiterate.....	6.3	6.6	7.4	2.7	12.6	7.4	3.5	4.0	3.0	1
Negro.....	1,273	.....	25	10	170	.....	1	61	41	1
Number illiterate.....	59	7	.....	11	.....	.....	4	.....	.....	.....
Per cent illiterate.....	4.6	.....	.....	6.5	.....	.....	.....	.....	.....	.....
Total 16 to 20 years, inclusive.....	42,173	471	1,777	2,808	1,131	33	1,196	857	733	450
Number illiterate.....	313	2	12	5	14	4	2.6	4	2	5
Per cent illiterate.....	0.7	0.4	0.7	0.2	1.2	0.3	0.5	0.3	0.3	1.1
Illiterate males 21 years of age and over.....	3,342	12	134	76	344	.....	70	20	39	8
Per cent of all males 21 years of age and over.....	2.8	0.9	2.9	1.2	6.2	.....	2.6	1.0	2.1	0.8
Native white.....	411	2	19	33	12	.....	16	11	15	6
Foreign-born white.....	2,009	10	61	35	309	47	5	21	21	2
Negro.....	27	4	.....	8	.....	.....	14	12	10	10
Illiterate females 21 years of age and over.....	2,337	13	132	74	192	.....	37	14	12	11
Per cent of all females 21 years of age and over.....	2.2	1.1	3.3	1.2	7.0	.....	1.4	0.8	0.8	1.1
Native white.....	308	3	8	24	5	.....	13	4	3	7
Foreign-born white.....	1,404	10	75	47	177	.....	18	6	7	2
Negro.....	28	4	.....	3	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES.										
Dwellings, number.....	89,587	1,013	3,703	5,411	2,842	81	2,296	1,728	1,421	802
Families, number.....	98,346	1,009	3,582	5,673	3,145	84	2,370	1,768	1,476	879

¹ Organized since 1910; see headnote.

² Less than one-tenth of 1 per cent.

POPULATION—UTAH.

TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.
[Per cent not shown where base is less than 100. For statistics of Indian population, by counties, see supplemental table.]

SUBJECT.	Grand.	Iron.	Juab.	Kane.	Millard.	Morgan.	Plute.	Rich.	Salt Lake.	San Juan.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	1,808	5,787	9,871	2,054	9,659	2,542	2,770	1,890	159,282	3,379
Male.....	1,042	3,010	5,252	1,065	5,113	1,314	1,469	993	80,964	1,828
Female.....	766	2,777	4,619	939	4,546	1,228	1,301	897	78,318	1,551
Native white.....	1,600	5,484	8,553	1,996	8,955	2,340	2,623	1,776	120,891	2,382
Male.....	912	2,843	4,459	1,039	4,698	1,200	1,372	930	64,025	1,284
Female.....	748	2,641	4,094	957	4,257	1,140	1,251	846	64,006	1,098
Native white—Native parentage.....	1,407	3,940	5,226	1,645	8,900	1,594	2,035	1,171	74,004	1,090
Native white—Foreign parentage.....	101	646	1,747	129	1,036	358	244	326	32,150	165
Native white—Mixed parentage.....	152	808	1,580	222	1,319	388	344	270	23,737	240
Foreign-born white.....	140	256	1,180	58	559	160	110	112	27,367	65
Male.....	124	144	722	26	321	84	76	61	14,607	33
Female.....	16	112	458	32	238	76	34	51	12,760	27
Negro.....	3	1	1	1	13	2	—	2	810	—
Male.....	2	—	1	—	9	2	—	2	380	—
Female.....	1	—	—	—	4	—	—	—	—	—
Indian, Chinese, Japanese, and all other (see Tables I and 7).....	5	46	137	—	132	40	37	—	1,214	932
Per cent native white.....	91.8	94.8	88.6	97.2	92.7	92.1	94.7	94.0	81.5	70.5
Per cent foreign-born white.....	7.7	4.4	12.0	2.8	5.8	6.3	4.0	5.9	17.2	1.9
Per cent Negro.....	0.2	(1)	(1)	—	0.1	0.1	—	0.1	0.5	—
1910: Total population.....	1,505	3,933	10,702	1,652	6,118	2,467	1,734	1,883	131,426	2,377
Native white.....	1,471	3,593	8,784	1,552	5,510	2,059	1,637	1,686	90,703	920
Foreign-born white.....	122	309	1,805	67	508	322	90	197	20,764	44
Negro.....	1	2	4	—	22	—	1	—	827	17
Per cent native white.....	92.2	91.4	82.1	93.9	90.1	83.5	94.4	89.5	75.9	38.7
Per cent foreign-born white.....	7.6	7.9	16.9	4.1	8.3	13.1	5.2	10.5	22.6	1.9
Per cent Negro.....	0.1	0.1	(1)	—	0.4	—	0.1	—	0.0	0.7
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	346	1,233	1,849	487	2,153	523	626	445	26,057	808
Total 7 to 13 years, inclusive.....	281	996	1,770	368	1,749	488	500	365	23,373	632
Number attending school.....	277	925	1,726	363	1,706	479	487	361	22,360	403
Per cent attending school.....	98.6	92.9	97.5	98.6	97.5	98.2	96.2	98.0	95.7	63.8
Total 14 and 15 years.....	74	249	394	103	430	127	121	83	5,045	161
Number attending school.....	70	230	379	97	401	119	116	79	5,539	102
Per cent attending school.....	96.0	96.2	94.2	93.3	93.7	95.0	—	93.2	97.5	—
Total 16 and 17 years.....	66	232	377	83	398	110	97	71	5,401	120
Number attending school.....	43	180	288	68	302	72	56	41	3,642	70
Per cent attending school.....	—	—	77.6	76.4	75.9	65.5	—	66.7	64.3	—
Total 18 to 20 years, inclusive.....	107	313	529	116	502	129	162	103	8,560	104
Number attending school.....	16	112	134	46	143	28	27	24	1,065	47
Per cent attending school.....	15.0	35.8	25.3	30.7	28.5	21.7	16.7	23.3	22.8	24.2
Males 21 years of age and over.....	508	1,485	2,791	467	2,418	616	725	456	46,390	826
Native white—Native parentage.....	373	665	930	305	1,204	210	376	166	16,230	410
Native white—Foreign or mixed parentage.....	100	661	1,123	136	842	308	263	230	15,477	165
Foreign-born white.....	121	143	691	26	300	76	76	60	13,504	34
Naturalized.....	23	116	400	19	216	52	58	55	7,471	22
First papers.....	14	7	94	1	20	8	3	2	1,808	3
Alien.....	72	7	192	2	38	9	13	3	3,080	6
Unknown.....	12	13	5	4	26	7	2	—	245	3
Negro.....	1	—	1	—	6	1	—	—	350	—
Indian, Chinese, Japanese, and all other.....	3	16	46	—	66	21	10	—	823	211
Females 21 years of age and over.....	336	1,279	2,161	430	2,009	549	533	367	43,496	639
Native white—Native parentage.....	253	590	746	271	971	220	336	121	15,090	324
Native white—Foreign or mixed parentage.....	68	560	958	127	789	247	150	197	16,360	123
Foreign-born white.....	14	112	422	32	219	72	34	49	11,618	25
Naturalized.....	9	102	329	28	182	54	27	45	8,025	23
First papers.....	—	—	5	—	3	2	—	—	232	—
Alien.....	1	4	88	1	23	6	1	3	3,151	1
Unknown.....	4	6	2	3	11	10	5	1	210	1
Negro.....	1	1	—	—	3	—	—	—	278	—
Indian, Chinese, Japanese, and all other.....	—	16	35	—	27	10	13	—	164	167
Males 18 to 44 years, inclusive.....	454	1,138	2,190	372	1,897	488	583	374	34,856	681
Females 18 to 44 years, inclusive.....	285	1,027	1,777	368	1,628	428	481	326	33,925	569
ILLITERACY.										
Total 10 years of age and over.....	1,322	4,100	7,252	1,400	6,722	1,816	1,911	1,278	122,850	2,289
Number illiterate.....	13	67	110	10	145	12	33	5	2,250	611
Per cent illiterate.....	1.0	1.6	1.6	0.7	2.2	0.7	1.7	0.4	1.8	26.0
Per cent illiterate in 1910.....	3.7	1.2	1.7	2.4	1.3	8.7	1.1	0.9	1.9	57.0
Native white.....	1,175	3,805	5,979	1,342	6,061	1,621	1,770	1,164	94,063	1,667
Number illiterate.....	4	17	15	5	22	3	20	4	205	25
Per cent illiterate.....	0.3	0.4	0.3	0.4	0.4	0.2	1.1	0.3	0.2	1.0
Foreign-born white.....	140	255	1,166	58	549	169	110	112	27,000	65
Number illiterate.....	8	11	37	5	57	3	13	1	1,820	—
Per cent illiterate.....	5.7	4.3	3.2	—	10.4	1.9	11.8	0.9	6.7	—
Negro.....	2	1	1	—	9	2	—	2	713	—
Number illiterate.....	1	—	—	—	1	1	—	—	25	—
Per cent illiterate.....	—	—	—	—	—	—	—	3.5	—	—
Total 16 to 20 years, inclusive.....	173	545	906	199	900	230	250	174	14,021	323
Number illiterate.....	2	8	3	1	10	—	4	1	70	102
Per cent illiterate.....	1.2	1.5	0.3	0.5	1.1	—	1.5	0.6	0.5	31.6
Illiterate males 21 years of age and over.....	8	27	53	4	73	8	18	2	1,315	207
Per cent of all males 21 years of age and over.....	1.3	1.8	1.9	0.9	3.2	1.3	2.5	0.4	2.8	25.1
Native white.....	2	6	7	3	7	1	6	2	78	8
Foreign-born white.....	6	5	17	1	36	3	12	—	1,034	—
Negro.....	—	—	—	—	—	1	—	—	9	170
Illiterate females 21 years of age and over.....	3	29	55	5	45	3	10	2	823	—
Per cent of all females 21 years of age and over.....	0.9	2.3	2.5	1.2	2.2	0.5	1.9	0.5	1.9	26.6
Native white.....	1	7	5	1	8	1	9	1	72	8
Foreign-born white.....	1	6	20	4	14	—	1	1	0.95	—
Negro.....	1	—	—	—	1	—	—	—	15	—
DWELLINGS AND FAMILIES.										
Dwellings, number.....	383	1,143	2,153	352	1,888	494	557	362	31,908	665
Families, number	400	1,219	2,211	389	1,987	508	567	378	30,906	707

¹ Less than one-tenth of 1 per cent.

COMPOSITION AND CHARACTERISTICS.

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TABLE 9.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR COUNTIES: 1920—Continued.

[Per cent not shown where base is less than 100. For statistics of Indian population, by counties, see supplemental table.]

SUBJECT.	Sanpete.	Sevier.	Summit.	Tooele.	Uintah. ¹	Utah.	Wa-satch. ¹	Washington.	Wayne.	Weber.
COLOR OR RACE, NATIVITY, AND SEX.										
Total population.....	17,505	11,281	7,882	7,965	8,470	40,792	4,625	6,764	2,097	43,403
Male.....	8,848	5,728	4,282	4,469	4,536	20,701	2,319	3,431	1,079	22,010
Female.....	8,657	5,553	3,600	3,496	3,934	20,091	2,306	3,333	1,018	21,453
Native white.....	15,807	10,395	6,639	6,543	7,020	37,329	4,284	6,477	2,018	36,936
Male.....	8,055	5,274	3,460	3,523	3,734	18,964	2,140	3,294	1,039	18,506
Female.....	7,752	5,121	3,179	3,020	3,236	18,365	2,144	3,183	979	18,370
Native white—Native parentage.....	9,849	6,728	4,007	3,868	5,558	25,798	3,055	5,172	1,620	23,147
Native white—Foreign parentage.....	3,229	1,828	1,451	1,566	555	5,889	594	514	129	7,503
Native white—Mixed parentage.....	2,729	1,838	1,181	1,109	907	5,662	635	791	280	6,196
Foreign-born white.....	1,682	885	1,197	1,246	813	3,305	302	216	77	5,672
Male.....	784	453	770	820	185	1,695	143	103	39	2,884
Female.....	898	432	418	426	128	1,700	159	113	38	2,788
Negro.....	1	1	4	1	4	17	5	-----	2	270
Male.....	1	1	1	1	3	10	5	-----	1	156
Female.....	-----	-----	-----	-----	1	7	-----	-----	1	114
Indian, Chinese, Japanese, and all other (see Tables 1 and 7).....	15	-----	22	175	1,133	51	34	71	-----	585
Per cent native white.....	90.3	92.1	84.4	82.1	82.9	91.5	92.6	95.8	96.2	85.0
Per cent foreign-born white.....	9.6	7.8	15.2	15.6	3.7	8.3	6.5	3.2	3.7	13.1
Per cent Negro.....	(2)	(2)	0.1	(2)	(2)	(2)	0.1	-----	0.1	0.6
1910: Total population	16,704	9,775	8,200	7,924	7,050	37,942	8,920	5,123	1,749	35,179
Native white.....	14,230	8,605	6,646	5,855	5,688	33,323	8,107	4,750	1,654	28,832
Foreign-born white.....	2,440	1,165	1,513	1,962	326	4,565	671	276	91	5,652
Negro.....	18	-----	1	7	3	2	1	-----	-----	204
Per cent native white.....	85.2	88.0	81.0	73.6	80.7	87.8	90.9	92.7	94.6	82.0
Per cent foreign-born white.....	14.6	11.9	18.5	24.6	12.1	12.1	7.5	5.4	5.2	16.1
Per cent Negro.....	0.1	-----	(2)	0.1	(2)	(2)	(2)	-----	-----	0.6
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.										
Total under 7 years of age.....	3,496	2,448	1,438	1,522	1,736	7,805	913	1,511	503	7,496
Total 7 to 13 years, inclusive.....	3,245	2,187	1,321	1,293	1,580	7,370	880	1,272	438	6,968
Number attending school.....	3,120	2,152	1,241	1,253	1,397	7,126	850	1,240	417	6,606
Per cent attending school.....	96.1	98.4	93.9	86.9	88.4	96.6	96.3	88.2	95.2	94.8
Total 14 and 15 years.....	835	530	333	339	360	1,974	221	325	100	1,771
Number attending school.....	807	509	313	322	321	1,877	208	300	92	1,665
Per cent attending school.....	96.6	96.0	94.0	95.0	80.2	95.1	94.1	92.3	92.0	94.0
Total 16 and 17 years.....	708	495	295	316	351	1,860	190	307	91	1,692
Number attending school.....	675	490	232	215	247	1,477	145	207	71	1,207
Per cent attending school.....	84.6	80.8	78.6	68.3	70.4	79.4	76.3	67.4	-----	71.3
Total 18 to 20 years, inclusive.....	1,014	635	439	371	488	2,391	250	383	131	2,423
Number attending school.....	325	191	133	71	121	713	85	122	37	450
Per cent attending school.....	32.1	27.9	30.3	10.1	24.8	29.8	32.8	31.9	28.2	18.6
Males 21 years of age and over.....	4,092	2,502	2,346	2,503	2,208	9,859	1,109	1,553	452	11,773
Native white—Native parentage.....	1,236	935	708	708	1,092	4,211	405	900	283	4,069
Native white—Foreign or mixed parentage.....	2,093	1,197	894	914	557	3,983	479	531	131	4,065
Foreign-born white.....	757	429	756	783	185	1,638	137	102	37	2,617
Naturalized.....	651	331	348	364	94	1,241	90	87	27	1,628
First papers.....	25	12	97	111	19	102	8	-----	-----	369
Alien.....	39	20	276	303	28	183	17	7	-----	475
Unknown.....	42	66	35	5	44	112	13	1	10	147
Negro.....	1	1	1	1	3	7	4	1	1	125
Indian, Chinese, Japanese, and all other.....	6	-----	17	97	371	20	24	20	-----	297
Females 21 years of age and over.....	4,025	2,374	1,690	1,622	1,747	9,524	1,014	1,413	382	11,340
Native white—Native parentage.....	1,228	917	544	495	912	4,154	458	800	244	4,401
Native white—Foreign or mixed parentage.....	1,021	1,045	742	704	437	3,703	403	481	101	4,295
Foreign-born white.....	873	412	404	395	120	1,652	151	112	37	2,516
Naturalized.....	748	346	291	276	81	1,372	128	101	32	1,709
First papers.....	4	1	1	7	2	12	3	-----	-----	30
Alien.....	78	18	76	107	7	168	6	7	3	636
Unknown.....	43	47	36	5	30	100	17	1	2	142
Negro.....	1	1	2	1	1	6	4	4	2	81
Indian, Chinese, Japanese, and all other.....	3	-----	28	277	9	2	20	20	-----	107
Males 18 to 44 years, inclusive.....	3,052	2,059	1,860	1,845	1,644	7,309	858	1,211	389	8,872
Females 18 to 44 years, inclusive.....	3,065	1,974	1,337	1,300	1,381	7,165	779	1,109	335	8,015
ILLITERACY.										
Total 10 years of age and over.....	12,563	7,864	5,851	5,865	6,074	29,756	3,288	4,674	1,395	32,982
Number illiterate.....	79	37	63	153	462	376	33	33	5	488
Per cent illiterate.....	0.6	0.5	1.2	2.6	7.6	1.3	1.0	0.7	0.4	1.5
Per cent illiterate in 1910.....	1.6	1.0	1.5	4.8	12.2	1.6	2.3	2.2	1.0	1.5
Native white.....	10,880	6,982	4,636	4,481	4,883	26,322	2,055	4,405	1,317	26,718
Number illiterate.....	20	22	15	11	16	187	8	26	3	71
Per cent illiterate.....	0.2	0.3	0.3	0.2	0.3	0.7	0.3	0.6	0.2	0.3
Foreign-born white.....	1,075	881	1,191	1,238	312	3,387	301	216	76	5,500
Number illiterate.....	57	15	51	120	9	178	15	2	2	244
Per cent illiterate.....	3.4	1.7	4.3	0.7	2.9	5.3	5.0	0.5	2	4.4
Negro.....	1	1	2	1	4	15	4	4	2	240
Number illiterate.....	-----	-----	1	-----	2	4	4	2	2	0.8
Total 16 to 20 years, inclusive.....	1,812	1,180	734	686	839	4,251	440	690	222	4,115
Number illiterate.....	2	2	2	3	1	19	6	3	2	26
Per cent illiterate.....	0.1	0.3	0.4	0.1	0.4	1.3	0.4	0.9	0.6	0.6
Illiterate males 21 years of age and over.....	26	18	46	99	254	185	19	19	2	252
Per cent of all males 21 years of age and over.....	0.6	0.7	2.0	4.0	11.5	1.9	1.7	1.2	0.4	2.1
Native white.....	9	15	7	5	9	84	4	15	1	28
Foreign-born white.....	14	3	37	83	5	94	6	1	1	111
Negro.....	-----	-----	-----	-----	1	-----	4	-----	1	-----
Illiterate females 21 years of age and over.....	51	19	18	50	207	145	8	10	1	199
Per cent of all females 21 years of age and over.....	1.3	0.8	1.1	3.1	11.8	1.5	0.8	0.7	0.3	1.8
Native white.....	8	7	4	5	7	60	3	8	26	-----
Foreign-born white.....	43	12	14	35	4	82	4	-----	1	125
Negro.....	-----	-----	-----	-----	1	-----	-----	-----	1	-----
DWELLINGS AND FAMILIES.										
Dwellings, number.....	3,629	2,177	1,650	1,666	2,037	8,111	950	1,202	392	8,511
Families, number.....	3,726	2,255	1,708	1,731	2,132	8,463	970	1,308	402	10,014

1 See headnote to table.

2 Less than one-tenth of 1 per cent.

POPULATION—UTAH.

TABLE 10.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR CITIES OF 10,000 OR MORE: 1920.

SUBJECT.	Ogden.	Provo.	Salt Lake City.	SUBJECT.	Ogden.	Provo.	Salt Lake City.	
COLOR OR RACE, NATIVITY, AND SEX.								
Total population.....	32,804	10,303	118,110	AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP—Continued.				
Male.....	16,491	5,082	58,697	Females 21 years of age and over.....	9,026	2,682	34,593	
Female.....	16,313	5,221	59,413	Native white—Native parentage.....	3,516	1,232	12,595	
Native white.....	27,516	9,245	97,347	Native white—Foreign or mixed parentage.....	3,294	936	12,871	
Male.....	13,728	4,563	48,095	Foreign-born white.....	2,067	511	8,867	
Female.....	13,788	4,632	49,252	Naturalized.....	1,384	304	6,234	
Native white—Native parentage.....	16,857	6,379	56,234	First papers.....	27	5	109	
Native white—Foreign parentage.....	5,769	1,509	23,515	Alien.....	537	66	2,267	
Native white—Mixed parentage.....	4,890	1,357	17,593	Unknown.....	119	76	167	
Foreign-born white.....	4,009	1,043	19,434	Negro.....	80	3	253	
Male.....	2,308	507	9,737	Males 18 to 44 years, inclusive.....	6,949	1,806	25,727	
Female.....	2,301	536	9,697	Females 18 to 44 years, inclusive.....	7,118	1,949	20,663	
Negro.....	245	8	718	ILLITERACY.				
Male.....	153	5	392	Total 10 years of age and over.....	25,398	7,830	93,006	
Female.....	112	3	320	Number illiterate.....	403	191	970	
Indian, Chinese, Japanese, and all other (see Table 7).....	414	7	611	Per cent illiterate.....	1.6	2.4	1.0	
Per cent native white.....	83.9	89.7	82.4	Per cent illiterate in 1910.....	1.5	2.3	1.6	
Per cent foreign-born white.....	14.1	10.1	16.5	Native white.....	20,302	6,777	72,740	
Per cent Negro.....	0.8	0.1	0.6	Number illiterate.....	51	119	148	
1910: Total population.....	25,580	8,925	92,777	Per cent illiterate.....	0.3	1.8	0.2	
Native white.....	20,475	7,689	72,436	Foreign-born white.....	4,517	1,038	19,182	
Foreign-born white.....	4,454	1,227	19,035	Number illiterate.....	194	66	773	
Negro.....	203	2	737	Per cent illiterate.....	4.3	6.3	4.0	
Per cent native white.....	80.0	86.2	78.1	Negro.....	236	8	645	
Per cent foreign-born white.....	17.4	13.7	20.5	Number illiterate.....	1	2	20	
Per cent Negro.....	0.8	(1)	0.8	Per cent illiterate.....	0.4	(2)	3.1	
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.								
Total under 7 years of age.....	5,315	1,726	17,765	Total 16 to 20 years, inclusive.....	3,066	1,074	10,465	
Total 7 to 13 years, inclusive.....	4,920	1,768	16,394	Number illiterate.....	22	13	37	
Number attending school.....	4,600	1,695	15,685	Per cent illiterate.....	0.7	1.2	0.4	
Per cent attending school.....	94.7	95.9	95.7	Illiterate males 21 years of age and over.....	212	89	448	
Total 14 and 15 years.....	1,251	435	4,243	Per cent of all males 21 years of age and over.....	2.3	3.5	1.3	
Number attending school.....	1,175	435	3,929	Native white.....	16	51	53	
Per cent attending school.....	83.9	93.8	92.6	Foreign-born white.....	89	32	374	
Total 16 and 17 years.....	1,228	483	3,905	Negro.....	1	1	7	
Number attending school.....	870	387	2,552	Illiterate females 21 years of age and over.....	160	73	452	
Per cent attending school.....	70.8	80.1	63.9	Per cent of all females 21 years of age and over.....	1.8	2.7	1.3	
Total 18 to 20 years, inclusive.....	1,838	591	6,470	Native white.....	20	40	51	
Number attending school.....	366	203	1,528	Foreign-born white.....	99	32	376	
Per cent attending school.....	19.4	34.3	23.6	Negro.....	1	1	13	
Males 21 years of age and over.....	9,226	2,568	34,647	DWELLINGS AND FAMILIES.				
Native white—Native parentage.....	3,748	1,091	13,206	Dwellings, number.....	6,483	2,002	23,685	
Native white—Foreign or mixed parentage.....	3,025	982	11,791	Families, number.....	7,803	2,130	28,210	
Foreign-born white.....	2,092	483	8,947					
Naturalized.....	1,285	323	5,528					
First papers.....	301	31	1,283					
Alien.....	391	40	1,963					
Unknown.....	115	89	173					
Negro.....	122	5	319					

¹ Less than one-tenth of 1 per cent.² Per cent not shown, base being less than 100.

COMPOSITION AND CHARACTERISTICS.

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TABLE 11.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR PLACES OF 2,500 TO 10,000: 1920.

SUBJECT.	Ameri- can Fork.	Bing- ham- Canyon.	Brig- ham.	Eua- reka.	Lehi.	Logan.	Mur- ray.	Nephi.	Park City.	Pay- son.	Rich- field.	Span- ish Fork.	Spring- ville.	Tooele.
COLOR OR RACE, NATIVITY, AND SEX.														
Total population.....	2,763	2,676	5,282	3,608	3,078	9,439	4,584	2,603	3,393	3,031	3,262	4,036	3,010	3,602
Male.....	1,373	1,567	2,617	2,016	1,555	4,561	2,381	1,331	1,900	1,494	1,629	2,038	1,529	1,904
Female.....	1,390	1,109	2,665	1,502	1,523	4,878	2,203	1,272	1,403	1,537	1,633	1,998	1,481	1,698
Native white—Native parentage.....	1,762	1,109	2,808	1,546	1,906	4,668	1,738	1,574	1,375	2,183	1,834	2,317	2,118	1,666
Native white—Foreign or mixed parentage.....	798	917	1,823	1,352	946	3,461	1,875	859	1,254	675	1,126	1,343	722	1,336
Foreign-born white.....	200	612	651	705	263	1,301	970	169	749	173	302	368	169	593
Negro.....	3	1	—	—	3	1	—	1	4	—	—	2	—	—
Indian, Chinese, Japanese, and all other.....	37	—	—	—	5	—	8	1	—	11	—	6	1	7
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.														
Total under 7 years of age.....	522	440	1,077	609	563	1,766	793	463	578	615	675	805	545	737
Total 7 to 13 years, inclusive.....	503	318	984	560	586	1,657	853	507	504	546	621	702	519	607
Number attending school.....	486	275	873	553	566	1,617	889	503	487	534	612	688	516	599
Total 14 and 15 years.....	128	96	221	128	144	431	213	117	138	144	155	192	139	161
Number attending school.....	124	93	207	121	133	417	207	116	124	140	150	187	137	157
Total 16 to 20 years, inclusive.....	269	213	505	305	351	958	484	280	206	282	360	453	315	300
Number attending school.....	159	78	256	123	154	578	212	179	109	143	195	224	200	130
Males 21 years of age and over.....	670	1,026	1,218	1,205	721	2,178	1,209	631	1,143	725	727	958	736	1,016
Native white—Native parentage.....	250	310	390	357	274	655	262	223	291	421	232	310	411	270
Native white—Foreign or mixed parentage.....	326	280	541	399	325	960	435	333	346	229	360	476	250	387
Foreign-born white.....	88	407	287	444	122	560	511	74	497	75	135	164	75	355
Naturalized.....	77	141	216	212	100	439	255	62	193	61	113	140	68	154
Negro.....	—	1	—	—	—	—	—	1	1	—	—	1	—	—
Females 21 years of age and over.....	671	583	1,277	801	713	2,449	1,077	605	734	719	724	926	756	781
Native white—Native parentage.....	250	219	386	270	259	756	245	200	224	400	264	302	392	224
Native white—Foreign or mixed parentage.....	304	197	574	324	318	1,040	418	311	290	225	321	434	272	353
Foreign-born white.....	108	163	317	207	134	652	414	94	220	94	139	185	91	203
Naturalized.....	102	97	248	143	119	532	291	85	138	78	123	163	83	140
Negro.....	—	—	—	—	2	—	—	—	—	—	—	1	—	—
ILLITERACY.														
Total 10 years of age and over.....	2,012	2,104	3,740	2,758	2,274	6,972	3,407	1,926	2,006	2,172	2,319	2,022	2,238	2,592
Number illiterate.....	17	80	38	22	8	44	218	13	30	7	11	35	2	79
Native whites 10 years of age and over.....	1,811	1,463	3,096	2,059	2,008	5,680	2,444	1,756	1,850	1,999	2,019	2,540	2,060	2,001
Number illiterate.....	9	2	6	2	5	25	12	4	5	3	5	15	—	—
Foreign-born whites 10 years of age and over.....	200	607	644	604	203	1,287	962	169	743	173	300	368	168	586
Number illiterate.....	8	70	32	19	3	18	205	9	24	4	6	20	2	79
Illiterate males 21 years of age and over.....	6	49	9	10	2	17	118	5	15	—	3	14	2	50
Illiterate females 21 years of age and over.....	9	26	28	10	3	26	95	8	14	7	8	19	—	28
DWELLINGS AND FAMILIES.														
Dwellings, number.....	587	470	1,073	847	616	1,879	961	510	764	617	615	789	635	729
Families, number.....	609	618	1,127	806	631	2,023	1,014	541	780	653	641	848	657	774

POPULATION—UTAH.

TABLE 12.—COUNTRY OF BIRTH OF THE FOREIGN-BORN WHITE, FOR COUNTIES AND FOR CITIES OF 10,000 OR MORE: 1920.

COUNTY OR CITY.	Total foreign-born white.	COUNTRY OF BIRTH.																			All other countries.			
		Australia.	Austria.	Canada.	Denmark.	England.	Finland.	France.	Germany.	Greece.	Ireland.	Italy.	Jugo-Slavia.	Mexico.	Netherlands.	Norway.	Poland.	Russia.	Scotland.	Spain.	Sweden.	Switzerland.	Wales.	
COUNTIES.																								
The state.....	56,455	221	987	1,466	6,970	14,836	770	434	3,589	3,029	1,207	3,225	836	1,083	1,980	2,109	240	684	2,310	250	6,073	1,566	1,304	1,277
Beaver.....	306	9	3	6	16	140	5	2	12	3	9	6	33	...	2	4	17	1	5	26	7	26	7	
Box Elder.....	2,034	5	4	26	664	414	14	107	16	14	64	21	276	1	51	4	25	22	185	42	31	27		
Cache.....	3,057	13	4	36	642	798	5	185	22	10	16	2	23	10	189	3	7	127	12	32	38	82	31	
Carbon.....	4,018	6	315	33	84	477	83	110	53	869	13	1,215	162	113	4	19	19	40	115	32	61	11	80	104
Daggett.....	21	...	1	1	5	5	...	3	...	1	...	...	...	1	...	1	...	2	1	...	...	1	1
Davis.....	913	10	2	16	28	490	3	31	69	11	19	5	16	9	14	4	2	38	...	50	36	19	26	
Duchesne.....	317	3	3	18	51	75	1	6	20	2	9	7	14	6	13	2	16	...	32	12	3	13		
Emery.....	603	1	48	13	178	80	1	3	37	76	4	71	3	17	...	20	...	1	23	...	33	10	39	
Garfield.....	134	1	...	2	18	83	1	3	4	...	1	3	...	1	...	1	...	2	5	1	4	5	2	
Grand.....	140	3	9	2	15	8	7	2	14	1	14	2	10	...	5	2	2	1	13	28	...	1	1	
Iron.....	256	9	2	5	13	128	...	10	...	4	6	2	...	2	...	2	1	17	...	22	1	29	5	
Juab.....	1,180	17	29	149	409	160	4	50	24	56	32	12	30	1	33	4	9	47	10	60	8	17	13	
Kane.....	58	1	2	2	8	29	...	3	...	1	...	1	...	1	...	2	...	3	1	1	4	1		
Millard.....	559	1	18	113	160	...	3	21	1	11	1	1	59	4	22	1	27	19	...	61	6	17	14	
Morgan.....	160	1	8	14	88	1	...	4	...	2	7	...	3	17	...	4	...	7	1	1	1	2		
Piute.....	110	3	4	18	32	...	1	7	2	2	1	...	2	2	...	4	...	1	1	6	12	1	6	5
Rich.....	112	...	2	2	76	...	4	...	1	...	...	...	3	...	...	3	...	2	...	7	2	2	
Salt Lake.....	27,367	118	437	874	2,175	7,221	337	154	2,524	1,627	680	1,110	435	299	982	1,143	164	448	1,132	85	3,464	721	554	633
San Juan.....	65	3	10	5	22	...	4	...	1	...	1	...	3	2	...	4	...	5	2	4	...	2	4	
Sanpete.....	1,682	1	1	13	937	185	...	1	24	4	7	3	...	3	5	100	1	19	25	...	267	45	30	11
Sevier.....	885	5	3	12	494	115	1	19	6	3	2	4	4	56	1	5	27	...	85	22	8	13		
Summit.....	1,197	2	9	40	47	353	109	6	23	29	127	84	87	9	2	27	7	4	54	21	86	16	20	35
Tooele.....	1,246	2	27	33	62	265	5	9	38	91	50	169	85	39	13	19	2	5	42	7	185	15	16	67
Uintah.....	313	5	3	23	27	96	1	11	19	32	5	2	...	3	3	10	4	29	1	19	3	12	5	
Utah.....	3,395	9	23	42	670	1,211	63	30	163	44	31	55	...	40	11	129	10	11	189	1	391	72	164	46
Wasatch.....	302	1	6	19	88	1	1	9	3	4	2	...	14	...	3	...	1	36	...	33	74	7	...	
Washington.....	216	2	1	6	25	86	2	4	1	1	...	...	8	1	...	2	9	3	8	50	8	1	2
Wayne.....	77	4	28	13	1	...	4	...	4	...	...	...	8	2	...	9	...	9	5	...	1	25	14
Weber.....	5,672	18	67	179	476	1,673	3	61	209	94	148	338	6	81	912	222	28	65	280	44	454	51	118	138
CITIES.																								
Ogden.....	4,609	15	55	169	369	1,345	3	54	171	72	136	250	3	64	749	190	26	61	223	44	358	41	96	115
Provo.....	1,043	2	16	18	201	381	16	18	52	7	11	21	...	4	5	59	8	8	48	...	107	22	25	14
Salt Lake City.....	19,434	101	213	752	1,611	5,624	75	133	2,033	548	574	496	56	214	874	870	132	430	977	50	2,258	610	416	487

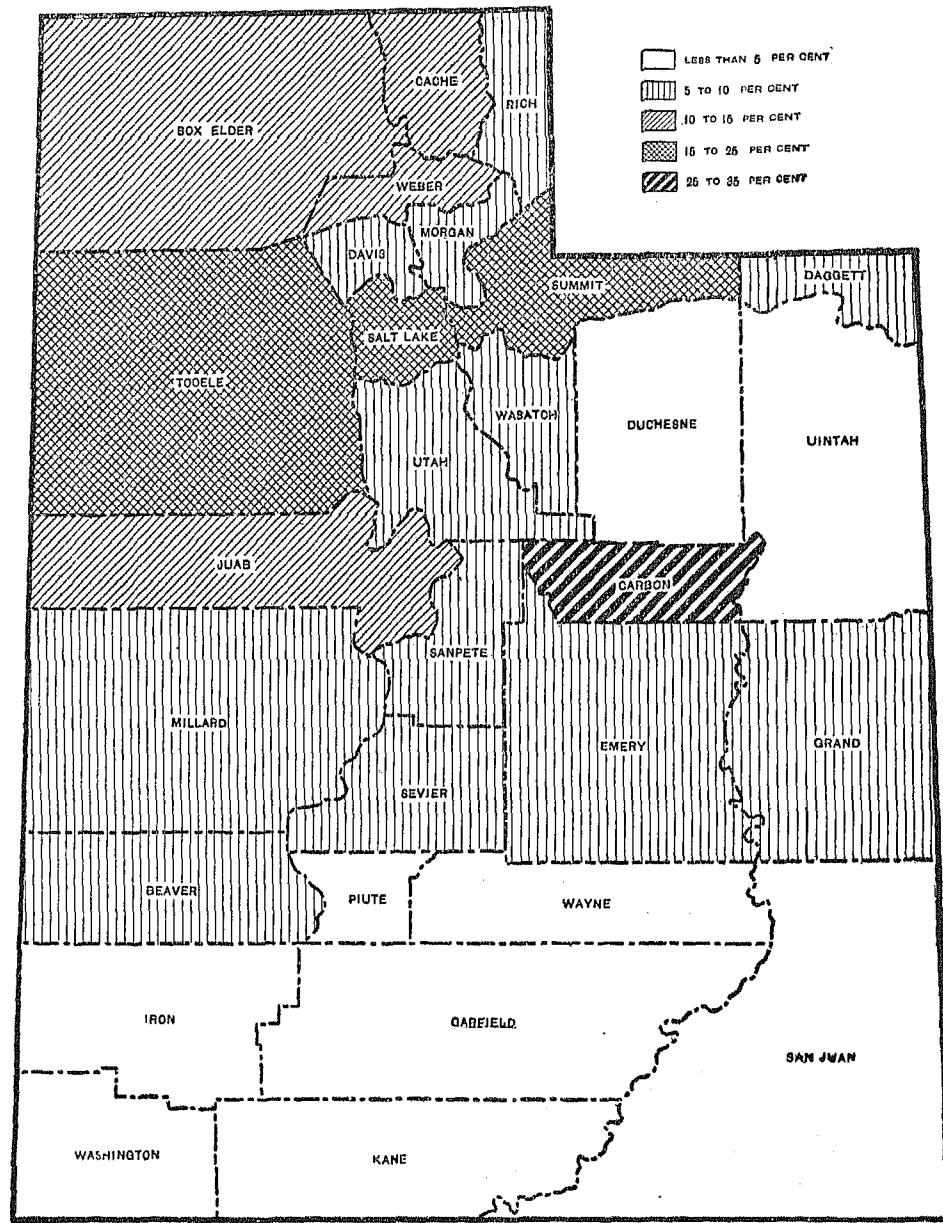
COMPOSITION AND CHARACTERISTICS.

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TABLE 13.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION, FOR WARDS OF SALT LAKE CITY: 1920.

SUBJECT.	THE CITY.	WARD.				
		1	2	3	4	5
COLOR OR RACE, NATIVITY, AND SEX.						
Total population	118,110	37,387	25,215	16,071	14,807	24,570
Male	58,697	18,284	13,060	7,955	6,816	12,582
Female	59,413	19,103	12,155	8,116	8,051	11,988
Native white	97,347	31,374	19,677	13,122	12,979	20,195
Male	48,095	15,400	10,028	6,508	6,014	10,145
Female	49,252	15,074	9,649	6,614	6,965	10,050
Native white—Native parentage	56,234	18,029	10,367	7,095	8,415	12,323
Native white—Foreign parentage	23,515	7,429	5,648	3,479	2,478	4,481
Native white—Mixed parentage	17,598	5,916	3,662	2,548	2,086	3,386
Foreign-born white	19,434	5,766	5,066	2,767	1,853	3,982
Male	9,737	2,745	2,711	1,328	779	2,174
Female	9,697	3,021	2,355	1,439	1,074	1,808
Negro	718	213	142	85	27	251
Male	392	118	77	50	15	132
Female	326	95	65	35	12	119
Indian, Chinese, Japanese, and all other	611	34	330	07	8	142
AGE, SCHOOL ATTENDANCE, AND CITIZENSHIP.						
Total under 7 years of age	17,765	6,601	4,029	2,660	1,805	2,670
Total 7 to 13 years, inclusive	16,394	5,938	3,624	2,302	1,871	2,659
Number attending school	15,685	5,783	3,390	2,190	1,814	2,508
Total 14 and 15 years	4,243	1,488	926	579	529	721
Number attending school	3,929	1,308	829	528	503	671
Total 16 and 17 years	3,995	1,342	857	567	511	718
Number attending school	2,552	910	429	311	408	494
Total 18 to 20 years, inclusive	6,470	1,914	1,336	931	901	1,388
Number attending school	1,528	480	170	145	381	352
Males 21 years of age and over	34,647	9,665	7,742	4,528	4,128	8,584
Native white—Native parentage	18,206	3,469	2,586	1,526	1,973	3,652
Native white—Foreign or mixed parentage	11,791	3,028	2,397	1,701	1,413	2,652
Foreign-born white	8,947	2,465	2,494	1,210	725	2,053
Naturalized	5,528	1,666	1,313	782	524	1,243
Negro	319	92	61	30	12	115
Females 21 years of age and over	34,596	10,439	6,701	4,504	5,122	7,830
Native white—Native parentage	12,505	3,477	2,147	1,368	2,286	3,227
Native white—Foreign or mixed parentage	12,871	4,134	2,342	1,754	1,834	2,807
Foreign-born white	8,867	2,746	2,106	1,334	902	1,680
Naturalized	6,234	1,963	1,389	964	703	1,215
Negro	258	73	48	27	10	100
Males 18 to 44 years, inclusive	25,727	7,345	5,706	3,438	2,915	6,263
Females 18 to 44 years, inclusive	26,663	8,179	5,209	3,465	3,889	5,831
ILLITERACY.						
Total 10 years of age and over	93,098	28,097	19,540	12,396	12,285	20,768
Number illiterate	970	144	487	131	43	165
Native white	72,746	22,205	14,140	9,516	10,431	16,454
Number illiterate	148	20	41	28	27	32
Foreign-born white	19,182	5,679	4,995	2,731	1,832	3,945
Number illiterate	773	112	437	89	15	120
Negro	645	188	129	72	24	232
Number illiterate	20	6	3	2	—	9
Total 16 to 20 years, inclusive	10,465	3,256	2,193	1,498	1,412	2,106
Number illiterate	37	4	17	6	3	7
Illiterate males 21 years of age and over	448	42	257	61	20	68
Native white	53	6	13	11	14	9
Foreign-born white	374	33	239	45	5	52
Negro	7	1	1	1	—	4
Illiterate females 21 years of age and over	452	92	201	63	16	80
Native white	51	9	13	12	6	11
Foreign-born white	376	76	184	43	10	63
Negro	13	5	2	1	—	5
DWELLINGS AND FAMILIES.						
Dwellings, number	23,685	8,100	5,069	3,381	2,796	4,339
Families, number	28,216	8,507	5,937	3,901	3,649	6,162
COUNTRY OF BIRTH OF FOREIGN-BORN WHITE.						
Australia	101	37	14	14	8	28
Austria	213	48	59	12	15	79
Canada	752	210	153	59	129	201
Denmark	1,611	562	408	220	120	301
England	5,624	1,667	1,168	1,043	696	950
France	133	22	33	18	17	43
Germany	2,033	606	686	155	135	451
Greece	548	45	292	58	19	134
Ireland	574	136	141	51	57	189
Italy	496	27	327	72	4	66
Mexico	214	9	183	20	4	18
Netherlands	874	334	189	184	71	146
Norway	870	332	195	130	69	135
Poland	132	22	39	8	14	49
Russia	430	147	66	10	37	170
Scotland	977	251	255	147	146	178
Sweden	2,258	844	452	332	164	466
Switzerland	610	230	149	63	44	124
Wales	416	95	111	98	53	59
All other countries	668	142	216	64	51	195

PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.



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COMPOSITION AND CHARACTERISTICS.

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TABLE 14.—AGE, BY QUINQUENNIAL PERIODS, WITH SINGLE YEARS FOR PERSONS UNDER 25, FOR THE STATE: 1920.

AGE.	ALL CLASSES: 1920		NATIVE WHITE: 1920								FOREIGN-BORN WHITE: 1920		NEGRO: 1920		INDIAN, CHINESE, JAPANESE, AND ALL OTHER: 1920	
			Native parentage.		Foreign parentage.		Mixed parentage.									
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	232,051	217,345	125,360	120,421	39,185	36,716	31,812	31,952	30,875	25,580	834	612	3,985	2,064		
Under 5 years.....	31,162	30,213	24,428	23,624	2,855	2,698	3,303	3,384	79	86	50	45	387	376		
Under 1 year.....	6,150	5,916	4,928	4,699	504	483	608	658	7	5	14	8	59	63		
5 to 9 years.....	28,504	27,897	21,218	20,760	3,089	2,910	3,741	3,655	280	286	34	44	252	242		
10 to 14 years.....	26,033	25,593	18,296	18,097	2,859	2,751	4,029	3,941	619	620	46	31	184	153		
15 to 19 years.....	21,585	21,788	13,795	14,063	2,762	2,817	3,844	3,820	852	909	37	30	265	149		
20 to 24 years.....	19,330	19,274	10,057	11,026	3,247	3,217	3,447	3,583	1,049	1,158	65	71	265	219		
25 to 29 years.....	18,527	17,421	8,830	8,675	3,577	3,497	2,965	3,254	2,834	1,081	92	88	229	226		
30 to 34 years.....	17,100	15,364	7,038	6,696	3,652	3,481	2,678	2,813	3,248	2,132	86	76	488	166		
35 to 39 years.....	16,449	13,785	5,847	5,026	3,950	3,604	2,377	2,443	3,599	2,451	121	76	546	125		
40 to 44 years.....	12,792	10,961	4,001	3,335	3,465	3,352	1,767	1,787	2,077	2,328	101	50	481	109		
45 to 49 years.....	10,833	8,770	3,059	2,457	3,342	2,802	1,288	1,222	2,731	2,166	98	43	320	80		
50 to 54 years.....	9,115	7,427	2,429	1,844	2,784	2,379	955	875	2,000	2,257	47	22	210	50		
55 to 59 years.....	6,755	5,903	1,903	1,516	1,759	1,584	595	582	2,353	2,177	24	12	121	32		
60 to 64 years.....	5,443	4,848	1,561	1,262	1,104	990	414	336	2,211	2,210	16	4	77	46		
65 to 69 years.....	3,495	3,221	965	831	419	377	186	136	1,859	1,846	7	6	59	25		
70 to 74 years.....	2,189	2,121	622	493	151	110	86	55	1,290	1,436	5	5	35	22		
75 to 79 years.....	1,319	1,423	327	329	62	42	37	30	875	997	3	3	18	22		
80 to 84 years.....	615	740	130	191	21	16	9	16	432	513	2	1	11	8		
85 to 89 years.....	204	332	76	70	8	4	6	6	163	242	1	1	10	9		
90 to 94 years.....	62	66	15	14	1	1	3	1	40	49	3	3	2	2		
95 to 99 years.....	13	16	2	2	1	1	7	7	12	12	1	1	3	1		
100 years and over.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Age unknown.....	285	170	152	110	29	24	21	13	57	24	6	3	20	2		
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	13.4	13.9	19.5	19.6	7.3	7.3	10.6	10.6	0.3	0.3	6.0	7.4	9.7	18.2		
Under 1 year.....	2.7	2.7	3.9	3.9	1.3	1.3	1.9	2.1	(1)	(1)	1.7	1.3	2.2	3.1		
5 to 9 years.....	12.3	12.8	16.9	17.2	7.8	7.9	11.8	11.4	0.9	1.1	4.1	7.2	6.3	11.7		
10 to 14 years.....	11.2	11.8	14.6	15.0	7.3	7.5	12.7	12.3	2.0	2.4	5.5	5.1	4.6	7.4		
15 to 19 years.....	9.3	10.0	11.0	11.7	7.0	7.7	12.1	12.0	2.9	3.6	4.4	4.9	6.6	7.2		
20 to 24 years.....	8.3	8.9	8.5	9.2	5.3	8.8	10.8	11.2	5.3	4.5	7.8	11.6	6.6	10.6		
25 to 29 years.....	8.0	8.0	7.0	7.2	9.1	9.5	9.3	10.2	9.2	6.6	11.0	14.4	5.7	10.9		
30 to 34 years.....	7.4	7.1	5.6	5.6	9.3	9.5	8.4	8.8	10.5	8.3	10.3	12.4	12.2	8.0		
35 to 39 years.....	7.1	6.3	4.7	4.2	10.1	10.0	7.5	7.6	11.7	9.6	14.5	12.4	13.7	6.1		
40 to 44 years.....	5.5	5.0	3.2	2.8	8.8	9.1	5.6	5.6	9.6	9.1	12.1	8.2	12.1	5.3		
45 to 49 years.....	4.7	4.0	2.4	2.0	8.5	7.6	4.0	3.8	8.8	8.5	11.2	7.0	8.0	3.9		
50 to 54 years.....	3.9	3.4	1.9	1.5	7.1	6.5	3.0	2.7	8.7	8.8	5.6	3.6	5.3	2.4		
55 to 59 years.....	2.9	2.7	1.5	1.3	4.5	4.3	1.9	1.8	7.6	8.5	2.9	2.0	3.0	1.6		
60 to 64 years.....	2.3	2.2	1.2	1.0	3.0	2.7	1.3	1.1	7.2	8.6	1.9	0.7	1.9	2.2		
65 to 74 years.....	2.4	2.5	1.3	1.1	1.5	1.3	0.9	0.6	10.2	12.8	1.4	1.8	2.4	2.3		
75 to 84 years.....	0.8	1.0	0.4	0.4	0.2	0.2	0.1	0.1	4.2	5.9	0.4	0.8	0.7	1.5		
85 to 94 years.....	0.1	0.2	0.1	0.1	(1)	(1)	(1)	(1)	0.7	(1)	0.1	0.2	0.1	0.5	(1)	0.1
95 years and over.....	(1)	0.1	(1)	0.1	0.1	0.1	0.1	0.1	0.2	(1)	0.1	0.7	0.5	0.5	0.5	0.1
Age unknown.....																
Year of age (1-24). .																
1 year.....	6,632	6,371	5,260	5,060	550	535	703	681	7	8	9	8	94	79		
2 years.....	6,336	6,071	4,942	4,738	575	510	705	706	23	24	13	11	78	82		
3 years.....	6,126	5,998	4,733	4,612	630	571	668	695	22	22	8	9	61	89		
4 years.....	5,918	5,857	4,556	4,515	590	590	681	644	20	27	6	9	65	63		
5 years.....	6,005	5,702	4,576	4,386	677	628	763	688	22	28	5	11	52	51		
6 years.....	5,735	5,678	4,269	4,227	613	507	739	737	53	49	12	5	59	63		
7 years.....	5,702	5,463	4,269	4,064	634	539	746	747	61	60	5	12	47	41		
8 years.....	5,684	5,592	4,236	4,149	564	593	777	736	61	65	5	6	40	43		
9 years.....	5,318	5,372	3,878	3,934	581	553	716	747	83	84	5	10	54	44		
10 years.....	5,604	5,419	4,050	3,969	580	553	811	757	100	92	8	5	49	43		
11 years.....	5,248	5,208	3,738	3,719	592	571	755	777	122	105	12	3	38	33		
12 years.....	5,377	5,124	3,726	3,639	620	555	864	765	122	126	8	6	37	33		
13 years.....	4,913	4,873	3,435	3,357	522	547	801	783	112	151	5	9	38	26		
14 years.....	4,891	4,900	3,341	3,413	545	525	798	859	163	146	13	8	31	18		
15 years.....	4,531	4,518	2,992	3,060	541	535	786	753	167	139	7	2	38	29		
16 years.....	4,426	4,421	2,956	2,912	503	539	760	791	161	150	8	3	38	26		
17 years.....	4,271	4,317	2,751	2,801	535	559	743	766	176	184	7	3	59	24		
18 years.....	4,364	4,430	2,691	2,740	582	583	767	797	202	251	8	12	76	47		
19 years.....	3,993	4,102	2,405	2,550	563	601	788	713	176	205	7	10	54	23		
20 years.....	3,802	4,047	2,187	2,480	578	604	737	706	224	216	15	10	61	31		
21 years.....	4,055	3,816	2,414	2,227	643	610	705	728	224	202	13	14	56	35		
22 years.....	3,845	3,780	2,123	2,117	651	636	687	729	317	230	14	10	53	58		
23 years.....	3,775	3,848	1,994	2,130	666	659	670	708	386	261	10	17	49	43		
24 years.....	3,853	3,783	1,939	2,072	709	678	648	712	498	249	13	20	46	52		

¹ Less than one-tenth of 1 per cent.

POPULATION—UTAH.

TABLE 15.—MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER, FOR THE STATE: 1920, 1910, AND 1900.

[Per cent not shown where base is less than 100.]

CENSUS YEAR, CLASS OF POPULATION, AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
	Total, ¹	Single.		Married.		Widowed.		Divorced.	Total, ¹	Single.		Married.		Widowed.		Divorced.
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	
1920																
All classes—15 years and over.	146,262	53,394	36.4	86,397	59.1	5,078	3.5	1,246	133,642	35,127	26.3	83,713	62.6	13,168	9.9	1,531
15 to 19 years.	21,585	21,247	98.4	320	1.5	4	(2)	4	21,788	19,578	89.9	145	9.8	26	0.1	32
20 to 24 years.	19,330	13,625	70.5	5,558	28.8	68	0.4	54	19,274	8,298	43.1	10,571	54.8	228	1.2	166
25 to 34 years.	35,717	10,531	29.5	24,438	68.4	460	1.3	260	32,785	15,423	13.5	26,932	82.1	943	2.0	475
35 to 44 years.	29,241	4,334	14.8	23,868	81.6	682	2.3	330	24,746	1,523	6.2	21,352	86.3	1,453	5.0	411
45 to 54 years.	19,918	2,066	10.4	16,639	83.4	933	4.7	287	16,197	706	4.4	12,975	80.1	2,236	14.0	239
55 to 64 years.	12,198	945	7.7	9,039	81.5	1,097	9.0	195	10,751	370	3.4	6,942	64.6	3,281	30.5	148
65 years and over.	7,958	430	5.4	5,540	69.6	1,824	22.9	109	7,925	176	2.2	2,716	34.3	4,050	62.5	55
Age unknown.	285	116	40.7	95	33.3	10	3.5	7	176	53	30.1	80	45.5	21	11.9	5
Native white—Native parentage:																
15 years and over ³ .	61,418	26,627	43.4	32,489	52.9	1,662	2.7	525	57,940	20,246	34.9	33,200	57.3	3,797	0.6	657
15 to 19 years.	13,795	13,560	98.3	224	1.6	2	(2)	2	14,063	12,603	90.0	1,356	9.6	15	0.1	26
20 to 24 years.	10,657	7,255	68.1	3,315	31.1	41	0.4	34	11,026	4,706	42.7	6,075	55.1	138	1.3	103
25 to 34 years.	15,888	3,739	23.6	11,754	74.1	226	1.4	137	15,371	2,053	13.4	12,658	82.3	430	2.8	225
35 to 44 years.	9,848	1,111	11.3	8,321	84.5	251	2.5	154	8,361	480	5.7	7,224	86.4	487	5.8	169
45 to 54 years.	5,488	539	9.8	4,411	82.7	297	5.4	100	4,301	177	4.1	3,438	79.9	610	14.2	72
55 to 64 years.	3,464	256	7.4	2,780	80.3	360	10.4	60	2,778	98	3.5	1,767	63.8	867	31.2	41
65 years and over.	2,146	107	5.0	1,509	70.3	470	22.3	34	1,930	32	1.7	635	32.9	1,241	64.3	19
Native white—For, or mixed par.:																
15 years and over ³ .	51,081	16,858	33.0	32,438	63.5	1,340	2.6	407	49,320	12,257	24.8	32,970	66.8	3,494	7.1	583
15 to 19 years.	6,606	6,522	98.7	79	1.2	2	(2)	2	6,637	6,012	90.6	608	9.2	9	0.1	5
20 to 24 years.	6,694	4,780	71.4	1,867	27.9	24	0.4	13	6,800	3,111	45.8	3,556	52.3	74	1.1	52
25 to 34 years.	12,872	3,352	26.0	9,244	71.8	176	1.4	93	13,045	1,901	14.6	10,562	81.0	389	3.0	187
35 to 44 years.	11,508	1,243	10.7	9,947	86.0	257	2.2	115	11,246	754	6.7	9,668	86.0	636	5.7	185
45 to 54 years.	8,369	654	7.8	7,241	86.5	370	4.4	100	7,278	343	4.7	5,887	80.9	951	13.1	94
55 to 64 years.	3,932	227	5.8	3,319	84.4	326	8.3	60	3,492	108	3.1	2,339	67.0	993	28.4	49
65 years and over.	990	62	6.3	718	72.5	182	18.4	25	794	19	2.4	327	41.2	430	55.3	9
Native white—Foreign parentage:																
15 years and over ³ .	30,402	8,511	28.0	20,680	68.0	915	3.0	274	28,357	5,933	20.9	19,715	69.5	2,340	8.3	355
15 to 19 years.	2,762	2,736	99.1	24	0.9	1	(2)	2	2,817	2,537	90.1	273	9.7	4	0.1	3
20 to 24 years.	3,247	2,312	71.2	916	28.2	9	0.3	6	3,217	1,457	45.3	1,698	52.8	35	1.1	24
25 to 34 years.	7,229	1,908	26.4	5,162	71.4	96	1.3	58	6,978	1,085	15.5	5,580	80.1	197	2.8	104
35 to 44 years.	7,424	834	11.2	6,345	85.5	161	2.2	80	7,016	512	7.3	5,971	85.1	415	5.9	116
45 to 54 years.	6,126	476	7.8	5,297	86.5	281	4.6	70	5,181	241	4.7	4,198	81.0	676	13.0	63
55 to 64 years.	2,923	182	6.2	2,455	84.0	243	8.3	43	2,574	83	3.2	1,738	67.5	714	27.7	36
65 years and over.	662	54	8.2	467	70.5	122	18.4	16	550	16	2.9	229	41.6	542	57.8	7
Native white—Mixed parentage:																
15 years and over ³ .	20,679	8,347	40.4	11,758	56.9	425	2.1	133	20,972	6,824	30.2	13,255	63.2	1,154	5.5	228
15 to 19 years.	3,844	3,786	98.5	65	1.4	1	(2)	2	3,820	3,475	91.0	335	8.8	5	0.1	2
20 to 24 years.	3,447	2,468	71.0	951	27.6	15	0.4	7	3,583	1,664	46.2	1,858	51.9	39	1.1	28
25 to 34 years.	5,643	1,444	25.6	4,082	72.3	80	1.4	35	6,067	816	13.4	4,973	82.0	192	3.2	83
35 to 44 years.	4,144	409	9.9	3,602	86.9	96	2.3	35	4,230	242	5.7	3,697	87.4	221	5.2	69
45 to 54 years.	2,243	178	7.9	1,944	86.7	89	4.0	30	2,097	102	4.9	1,680	80.5	275	13.1	31
55 to 64 years.	1,009	45	4.5	864	85.6	83	8.2	17	918	25	2.7	601	65.5	279	30.4	13
65 years and over.	328	8	2.4	251	76.5	60	18.3	9	244	3	1.2	98	40.2	141	57.8	2
Foreign-born white:																
15 years and over ³ .	29,897	8,029	20.9	10,531	65.3	1,960	6.6	288	24,588	2,233	9.1	10,203	66.3	5,752	23.4	273
15 to 19 years.	882	868	98.4	12	1.4	1	(2)	2	909	776	85.4	129	14.2	2	0.2	1
20 to 24 years.	1,649	1,326	80.4	311	18.9	3	0.2	6	1,158	407	35.1	732	63.2	10	0.9	9
25 to 34 years.	6,082	2,908	49.3	3,001	49.3	51	0.8	25	3,813	416	10.9	3,230	84.7	108	2.8	58
35 to 44 years.	6,576	1,521	23.1	4,844	73.7	146	2.2	56	4,779	252	5.3	4,168	87.2	305	0.4	51
45 to 54 years.	5,421	693	12.8	4,412	81.4	236	4.4	74	4,423	160	3.6	3,504	79.2	685	15.5	70
55 to 64 years.	4,564	383	8.4	3,698	81.0	395	8.7	74	4,387	130	3.0	2,793	63.7	1,405	32.0	57
65 years and over.	4,606	213	4.6	3,231	69.2	1,133	24.4	50	5,095	85	1.7	1,730	34.0	3,229	63.4	27
Negro:																
15 years and over ³ .	704	254	36.1	404	57.4	29	4.1	15	402	51	10.4	368	74.8	60	12.2	13
15 to 19 years.	37	36	1	1	1	1	1	1	30	15	15	15	15	2	1	1
20 to 24 years.	65	43	21	1	1	1	1	1	71	17	51	51	51	2	1	4
25 to 34 years.	178	60	33.7	116	65.2	1	0.6	1	164	10	6.1	141	86.0	9	5.5	5
35 to 44 years.	222	71	32.0	140	63.1	8	3.6	3	126	7	5.6	102	81.0	12	9.5	5
45 to 54 years.	140	32	22.9	89	63.6	10	7.1	8	65	2	47	47	47	14	1	2
55 to 64 years.	40	11	24	4	1	1	1	1	16	7	7	7	9	14	1	1
65 years and over.	16	10	6	1	1	1	1	1	17	3	14	14	14	14	1	1
Indian—15 years and over.	942	492	52.2	405	43.0	38	4.0	5	776	312	40.2	308	51.3	60	7.7	5
Chinese—15 years and over.	303	101	33.3	189	62.4	7	2.3	1	25	9	16	10	16	10	7.7	5
Japanese—15 years and over.	1,806	897	48.1	931	49.0	20	1.6	5	489	19	3.9	405	95.1	5	1.0	1
All other—15 years and over.	51	36	10	10	4	4	1	3	3	3	3	3	3	3	10	1
1910																
All classes—15 years and over.	126,697	51,890	41.0	68,608	54.2	3,686	2.9	730	108,011	30,083	27.9	66,255	61.3	9,940	9.2	918
Native white:																
Native parentage.	43,718	20,226	46.2	21,079	48.2	1,081	2.5	271	37,861	13,506	35.7					

COMPOSITION AND CHARACTERISTICS.

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TABLE 16.—TOTAL, WHITE, AND COLORED POPULATION, WITH STATE OF BIRTH FOR NATIVES, FOR THE STATE: 1920.

NATIVITY AND STATE OF BIRTH.	All classes: 1920	White: 1920	Colored: ¹ 1920	PER CENT DISTRIBUTION OF TOTAL.						PER CENT DIS- TRIBUTION OF NATIVE WHITE.	
				All classes.		White.		Colored.			
				1920	1910	1920	1910	1920	1910		
Total population.....	449,396	441,901	7,495	100.0	100.0	100.0	100.0	100.0	100.0	.....
Native.....	390,196	385,446	4,750	88.8	82.4	87.2	82.7	63.4	64.1	100.0	
Born in—										100.0	
Utah.....	314,006	310,819	3,187	69.9	65.1	70.3	65.6	42.5	36.6	80.6	
Idaho.....	8,324	8,259	35	1.9	1.1	1.9	1.1	0.5	0.3	2.2	
Colorado.....	6,321	6,241	80	1.4	1.2	1.4	1.1	5.4	1.6	1.3	
Illinois.....	5,315	5,283	32	1.2	1.3	1.2	1.4	0.4	0.5	1.4	
Iowa.....	4,348	4,327	21	1.0	1.2	1.0	1.2	0.3	0.4	1.1	
Missouri.....	4,236	4,070	166	0.9	1.0	0.9	1.0	2.2	1.7	1.2	
Wyoming.....	3,322	3,298	24	0.7	0.6	0.7	0.6	0.3	0.5	0.9	
Kansas.....	3,234	3,117	117	0.7	0.6	0.7	0.6	1.6	1.0	0.8	
New York.....	2,900	2,803	7	0.6	0.9	0.7	0.9	0.1	0.1	1.1	
Pennsylvania.....	2,753	2,743	10	0.6	0.8	0.6	0.9	0.1	0.2	0.7	
Ohio.....	2,718	2,694	24	0.6	0.8	0.6	0.9	0.3	0.7	1.0	
California.....	2,681	2,560	112	0.6	0.5	0.6	0.5	1.5	1.2	0.6	
Nebraska.....	2,489	2,473	16	0.6	0.6	0.6	0.6	0.2	0.3	0.6	
Indiana.....	2,029	2,014	15	0.5	0.5	0.5	0.5	0.2	0.2	0.7	
Other states.....	23,329	22,487	842	5.2	5.2	5.1	5.0	11.2	12.2	5.8	
Other native ²	2,191	2,129	62	0.5	1.0	0.5	1.0	0.8	3.1	0.6	
Foreign born.....	59,200	56,455	2,745	13.2	17.6	12.8	17.3	36.6	35.9	.....

¹ Comprises persons of Negro descent, Indians, Chinese, Japanese, and all other; see Table 1.² Comprises persons born in the United States, state of birth not reported; persons born in outlying possessions, or at sea under United States flag; and persons of foreign birth whose parents were American citizens temporarily absent from the United States.

TABLE 17.—COUNTRY OF BIRTH OF THE FOREIGN-BORN POPULATION, WITH CITIZENSHIP OF THE FOREIGN-BORN WHITE, FOR THE STATE: 1920.

(See also Tables 5, 6, and 12.)

COUNTRY OF BIRTH.	TOTAL FOREIGN BORN.			FOREIGN-BORN WHITE.						FOREIGN-BORN WHITE 21 YEARS OF AGE AND OVER.			
	Both sexes.		Male.	Female.	Total.	Naturalized.		Having first papers.	Alien.	Citizen- ship not reported.	Total.	Naturalized.	
	Number.	Percent distri- bution.				Number.	Per cent.					Number.	Percent.
Total.....	59,200	100.0	33,087	26,113	56,455	34,576	61.2	4,048	15,517	2,314	52,254	33,193	63.5
England.....	14,839	25.1	7,189	7,650	14,836	10,793	72.7	878	2,461	704	13,835	10,414	75.3
Denmark.....	6,970	11.8	3,388	3,582	6,070	5,421	77.8	304	929	818	6,601	5,273	80.0
Sweden.....	6,073	10.3	2,887	3,186	6,073	4,354	71.7	352	1,181	186	5,795	4,280	73.7
Germany.....	3,589	6.1	1,882	1,707	3,589	2,369	66.0	367	767	86	3,245	2,203	67.9
Italy.....	3,225	5.4	2,228	997	3,225	968	29.9	374	1,786	102	2,948	898	30.5
Greece.....	3,020	5.1	2,731	298	3,020	321	10.6	341	2,306	61	2,900	303	10.4
Japan.....	2,358	4.0	1,865	493									
Scotland.....	2,310	3.9	1,172	1,138	2,310	1,780	77.1	130	294	106	2,202	1,731	78.6
Norway.....	2,109	3.6	983	1,126	2,109	1,425	67.6	164	427	93	1,977	1,386	70.1
Netherlands.....	1,980	3.3	956	1,024	1,980	825	41.7	243	871	41	1,546	713	46.1
Switzerland.....	1,566	2.6	730	830	1,566	1,152	73.6	94	267	53	1,467	1,115	76.0
Canada.....	1,471	2.5	824	647	1,466	956	65.2	85	306	119	1,287	882	69.6
Wales.....	1,304	2.2	675	629	1,304	1,032	79.1	44	119	109	1,263	1,024	81.1
Ireland.....	1,207	2.0	712	495	1,207	881	73.0	78	184	64	1,171	859	73.4
Mexico.....	1,166	2.0	818	348	1,083	60	5.5	5	935	88	805	45	5.6
Austria.....	937	1.7	689	298	987	330	33.4	138	480	39	935	312	33.4
Jugo-Slavia.....	836	1.4	619	217	836	143	17.1	91	586	18	803	132	17.2
Finland.....	779	1.3	527	252	779	251	32.2	66	445	17	725	236	32.6
Russia.....	684	1.2	419	265	684	406	59.4	63	201	14	597	359	60.1
All other countries.....	2,718	4.6	1,787	931	2,422	1,114	46.0	231	972	105	2,172	1,027	47.3

TABLE 18.—YEAR OF IMMIGRATION OF THE FOREIGN-BORN POPULATION, FOR THE STATE: 1920.

SEX.	Total foreign born: 1920	YEAR OF IMMIGRATION.							PER CENT OF TOTAL ARRIVING IN—					
		1918- 1919	1916- 1917	1911- 1915	1906- 1910	1901- 1905	1900 or earlier.	Year not reported.	1918- 1919	1916- 1917	1911- 1915	1906- 1910	1901- 1905	1900 or earlier.
Both sexes.....	59,200	1,382	1,403	7,612	8,799	6,039	30,007	3,868	2.3	2.5	12.9	14.9	10.2	50.7
Male.....	33,087	737	869	4,642	5,579	3,763	15,602	1,835	2.2	2.6	14.0	16.9	11.4	47.3
Female.....	26,113	645	624	2,970	3,220	2,278	14,345	2,033	2.5	2.4	11.4	12.3	8.7	54.9

TABLE 19.—FOREIGN-BORN WHITE POPULATION UNABLE TO SPEAK ENGLISH, FOR THE STATE: 1920.

SEX.	FOREIGN-BORN WHITE 10 YEARS OF AGE AND OVER: 1920			FOREIGN-BORN WHITE 21 YEARS OF AGE AND OVER: 1920		
	Total number.	Unable to speak English.		Total number.	Unable to speak English.	
		Number.	Per cent.		Number.	Per cent.
Both sexes.....	55,724	2,303	4.1	52,254	2,170	4.2
Male.....	30,516	1,342	4.4	28,701	1,277	4.4
Female.....	25,208	961	3.8	23,463	893	3.8

POPULATION—UTAH.

TABLE 20.—SCHOOL ATTENDANCE, BY AGE PERIODS, FOR THE STATE: 1920.
[See also Table 2. Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND SEX.	Total number of persons attending school: 1920	PERSONS 7 TO 13 YEARS OF AGE.		PERSONS 14 AND 15 YEARS OF AGE.		PERSONS 16 AND 17 YEARS OF AGE.		PERSONS 18 TO 20 YEARS OF AGE.		OTHERS ATTENDING SCHOOL.						
		Attending school.		Attending school.		Attending school.		Attending school.								
		Total number.	Number.	Total number.	Number.	Total number.	Number.	Total number.	Number.	Under 7 years of age.	21 years of age and over.					
All classes.....	118,934	74,957	71,611	95.5	18,909	17,719	93.7	17,435	12,456	71.4	24,738	6,122	24.7	8,615	2,411	
Male.....	60,199	37,906	36,214	95.5	9,422	8,833	93.7	8,697	6,225	71.6	12,159	3,157	26.0	4,255	1,615	
Female.....	58,735	37,051	35,397	95.5	9,487	8,886	93.7	8,738	6,231	71.3	12,579	2,965	23.6	4,360	896	
Native white:																
Native parentage.....	84,889	54,169	52,021	96.0	12,806	12,158	94.9	11,420	8,592	75.2	15,053	4,332	28.8	6,380	1,397	
Male.....	42,750	27,333	26,252	96.0	6,333	6,021	95.1	5,707	4,294	75.2	7,283	2,195	30.2	3,137	857	
Female.....	42,130	26,831	25,769	96.0	6,473	6,137	94.8	5,713	4,208	75.2	7,770	2,134	27.5	3,252	640	
Foreign parentage.....	12,770	8,004	7,628	95.3	2,146	1,968	91.7	2,136	1,331	62.3	3,549	505	16.8	920	328	
Male.....	6,505	4,093	3,894	95.1	1,086	986	90.8	1,038	641	61.8	1,761	317	18.0	404	203	
Female.....	6,265	3,911	3,734	95.5	1,060	982	92.6	1,098	690	62.8	1,788	278	15.6	456	125	
Mixed parentage.....	18,092	10,782	10,361	96.1	3,196	3,020	94.5	3,060	2,159	70.6	4,508	1,008	22.4	1,147	397	
Male.....	9,144	5,470	5,252	96.0	1,584	1,504	94.9	1,503	1,069	71.1	2,292	528	23.0	560	222	
Female.....	8,948	5,312	5,100	96.2	1,612	1,516	94.0	1,557	1,000	70.0	2,216	480	21.7	578	175	
Foreign-born white.....	2,374	1,344	1,198	89.0	615	485	78.9	337	162	48.1	1,274	122	9.6	63	243	
Male.....	1,297	661	610	92.3	330	263	79.7	222	77.9	314	136	43.3	602	10.5	37	162
Female.....	1,077	683	556	85.8	285	222	77.9	27	27	21	14	62	9	13	2	2
Negro.....	160	101	95	94.1	30	27	90.0	19	15	10	30	4	11	11	2	2
Male.....	93	50	47	-----	20	19	-----	6	4	32	5	5	5	5	5	5
Female.....	67	51	48	-----	10	8	-----									

TABLE 21.—SCHOOL ATTENDANCE, BY SINGLE YEARS FROM 5 TO 20, FOR THE STATE: 1920.

[See also Table 2. Per cent not shown where base is less than 100.]

YEAR OF AGE.	NUMBER AND PER CENT OF TOTAL AT SPECIFIED AGE ATTENDING SCHOOL: 1920														
	All classes.														
	Both sexes.		Male.		Female.		Native parentage.		Foreign parentage.		Mixed parentage.				
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.			
5 years.....	999	8.4	487	8.0	512	8.8	693	7.7	150	11.5	120	8.3	8	.....	1
6 years.....	7,478	65.5	3,706	64.0	3,772	66.4	5,604	68.0	753	62.2	1,011	68.5	53	52.0	12
7 years.....	10,169	90.6	5,223	90.6	4,946	90.5	7,582	91.0	1,050	89.5	1,371	91.8	100	82.6	15
8 years.....	10,803	94.0	5,349	94.1	5,254	94.0	7,929	94.6	1,088	94.0	1,433	94.7	109	86.5	10
9 years.....	10,140	94.9	5,050	95.0	5,000	94.8	7,454	95.4	1,072	94.5	1,387	94.8	147	88.0	15
10 years.....	10,720	97.3	5,450	97.3	5,270	97.3	7,853	97.9	1,102	97.3	1,528	97.4	171	89.1	13
11 years.....	10,203	97.6	5,115	97.5	5,088	97.7	7,320	98.2	1,135	97.6	1,494	97.5	200	88.1	15
12 years.....	10,244	97.6	5,243	97.5	5,001	97.6	7,232	98.2	1,147	97.6	1,593	97.8	228	91.9	13
13 years.....	9,532	97.4	4,784	97.4	4,748	97.4	6,051	97.9	1,034	97.7	1,555	98.2	241	91.6	14
14 years.....	9,459	95.9	4,687	95.8	4,772	96.0	6,655	97.1	1,019	95.2	1,588	95.7	261	84.5	18
15 years.....	8,260	91.3	4,146	91.5	4,114	91.1	5,803	92.6	949	88.2	1,435	93.2	224	73.2	9
16 years.....	7,145	80.8	3,584	80.5	3,584	81.1	4,907	83.6	751	72.1	1,258	81.1	193	62.1	8
17 years.....	5,311	61.8	2,664	62.4	2,647	61.3	3,685	66.4	590	53.0	901	59.7	105	30.9	6
18 years.....	3,141	35.7	1,504	35.8	1,577	35.6	2,219	40.9	305	25.4	523	33.4	61	13.5	5
19 years.....	1,882	23.2	1,007	25.2	875	21.3	1,330	26.8	183	15.7	310	20.7	39	10.2	3
20 years.....	1,099	14.0	586	15.4	513	12.7	783	16.8	107	9.1	175	12.1	22	5.0	1

TABLE 22.—ILLITERACY OF THE POPULATION 10 YEARS OF AGE AND OVER, BY AGE PERIODS, FOR THE STATE: 1920.

[See also Table 4. Per cent not shown where base is less than 100.]

SEX AND AGE PERIOD.	ALL CLASSES: 1920		NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.						
			Native parentage.		Foreign parentage.		Mixed parentage.											
	Total number.	Illiterate.	Total number.	Illiterate.	Total number.	Illiterate.	Total number.	Illiterate.	Total number.	Illiterate.	Total number.	Illiterate.	Total number.	Illiterate.				
	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.				
10 years and over.....	331,530	6,264	1.9	155,751	535	0.3	64,369	259	0.4	49,821	131	0.3	55,724	8,504	6.3	1,273	59	4.6
Male.....	172,295	3,678	2.1	79,714	302	0.4	33,261	157	0.5	24,708	79	0.3	30,516	5,053	6.7	750	20	3.9
Female.....	159,235	2,586	1.6	76,037	233	0.8	31,108	102	0.3	24,913	52	0.2	25,208	4,451	5.8	523	30	5.7
21 years and over.....	228,682	5,679	2.5	86,833	410	0.6	51,998	218	0.4	32,544	91	0.3	52,254	8,413	6.5	1,104	55	5.0
Male.....	120,875	3,342	2.8	45,436	224	0.5	27,062	132	0.5	16,098	55	0.3	28,791	4,009	7.0	682	27	4.1
Female.....	107,807	2,337	2.2	41,397	186	0.4	24,936	86	0.3	10,446	36	0.2	23,493	1,494	6.0	482	28	6.2
Both sexes:																		
10 to 14 years.....	51,626	235	0.5	36,393	52	0.1	5,610	20	0.4	7,970	21	0.3	1,239	18	1.5	77	2	2.0
15 to 24 years.....	81,977	749	0.9	49,541	108	0.2	12,043	35	0.3	14,694	31	0.2	4,598	303	6.6	203	4	2.0
25 to 34 years.....	68,502	1,384	2.0	31,239	88	0.3	14,207	46	0.3	11,710	20	0.2	9,895	905	9.1	342	10	2.9
35 to 44 years.....	53,987	1,383	2.6	18,209	74	0.4	14,440	54	0.4	8,374	14	0.2	11,355	824	7.3	848	20	5.7
45 to 54 years.....	36,145	938	2.6	9,789	63	0.6	11,307	55	0.5	4,340	14	0.3	9,844	491	5.0	205	5	2.4
55 to 64 years.....	22,949	708	3.1	6,242	65	1.0	5,497	37	0.7	1,927	17	0.9	8,951	398	4.4	56	6	.....
65 years and over.....	15,883	342	3.0	4,070	75	1.8	1,212	12	1.0	572	14	2.4	9,761	561	5.6	33	11	.....
Male:																		
10 to 14 years.....	26,033	138	0.5	18,296	21	0.1	2,751	5	0.2	3,941	9	0.2	620	11	1.8	31	2	1.0
15 to 24 years.....	40,615	450	1.1	24,452	68	0.3	6,000	19	0.3	7,403	10	0.1	2,531	203	8.0	102	1	1.0
25 to 34 years.....	35,717	845	2.4	15,868</														

COMPOSITION AND CHARACTERISTICS.

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TABLE 23.—COUNTRY OF ORIGIN AND MOTHER TONGUE OF THE FOREIGN WHITE STOCK, FOR THE STATE: 1920.

[Figures for country of origin relate to countries as constituted prior to the World War.]

COUNTRY OF ORIGIN.	Total foreign white stock: 1920	Foreign-born white-Birth-place of father.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.				MOTHER TONGUE.	Total foreign white stock: 1920	Foreign-born white.	NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.			
			Total.	Both parents foreign.	Father foreign.	Mother foreign.				Total.	Both parents foreign.	Father foreign.	Mother foreign.
Total.....	196,120	56,455	139,665	75,901	37,025	26,739	Total.....	196,120	56,455	139,665	75,901	37,025	26,739
Northwestern Europe:							English and Celtic.....	96,909	21,570	75,399	35,104	23,770	16,465
England.....	44,209	15,127	49,082	21,738	15,815	11,529	Germanic:						
Scotland.....	10,123	2,561	7,562	3,093	2,727	1,742	German:	16,772	5,836	10,936	6,201	2,800	1,935
Wales.....	5,716	1,255	4,401	1,707	1,701	1,053	Dutch and Frisian.....	3,955	2,000	1,955	1,302	270	374
Ireland.....	5,634	1,571	4,083	2,028	1,400	635	Flemish.....	72	45	27	17	5	5
Norway.....	5,738	2,036	3,702	1,692	1,023	987	Scandinavian:						
Sweden.....	16,702	6,300	10,462	5,707	2,538	2,217	Swedish.....	17,218	6,430	10,788	5,989	2,565	2,234
Denmark.....	25,966	6,839	19,127	9,697	5,222	4,208	Norwegian.....	5,819	2,110	3,709	1,695	1,033	981
Netherlands.....	3,913	1,997	1,916	1,285	266	365	Danish.....	20,066	6,976	19,090	9,673	5,222	4,195
Belgium.....	151	70	81	19	30	32	Latin and Greek:						
Luxembourg.....	32	21	11	8	2	1	Italian.....	6,167	3,261	2,906	2,481	369	56
Switzerland.....	4,749	1,534	3,215	1,667	817	731	French.....	1,769	626	1,143	464	400	279
France.....	1,037	439	598	225	232	141	Spanish.....	1,658	1,294	364	198	92	74
Central and Eastern Europe:							Portuguese.....	30	7	23	4	18	1
Germany.....	10,507	3,951	6,016	3,461	1,931	1,224	Rumanian.....	84	47	37	35	2	2
Austria.....	2,975	1,554	1,421	1,174	197	50	Greek.....	3,082	3,033	649	487	162	-----
Hungary.....	1,066	549	517	405	33	19	Slavic and Lettic:						
Russia.....	1,528	817	711	566	112	33	Polish.....	250	153	103	72	23	8
Finland.....	1,417	789	628	567	49	12	Czech.....	393	180	213	128	49	36
Rumania.....	88	44	44	42	-----	2	Slovak.....	364	188	176	172	4	-----
Bulgaria, Serbia, and Montenegro.....	361	212	149	138	11	-----	Russian ²	621	327	294	228	50	18
Turkey in Europe.....	64	58	6	6	-----	-----	Ruthenian.....	6	5	1	1	-----	-----
Southern Europe:							Slovenian.....	846	418	428	396	32	-----
Greece.....	3,667	3,021	646	486	180	-----	Serbo-Croatian.....	1,013	583	430	406	20	4
Italy.....	6,024	3,196	2,828	2,392	370	66	Bulgarian.....	34	28	6	1	5	-----
Spain.....	377	237	120	71	27	22	Slavie, not specified.....						
Portugal.....	25	6	19	3	15	1	Lithuanian and Lettish.....	70	38	32	21	9	2
Europe, not specified.....	13	2	11	6	5	-----	Unclassified:						
Asia:							Yiddish and Hebrew.....	777	404	373	304	48	21
Turkey in Asia.....	447	269	178	149	12	17	Magyar.....	187	107	80	60	9	11
All other countries.....	48	16	32	6	13	13	Finnish.....	802	448	354	321	23	10
America:							Armenian.....	117	80	37	24	7	6
Canada—French.....	211	30	172	58	73	41	Syrian and Arabic.....	284	162	122	114	6	2
Canada—Other.....	4,138	751	3,387	573	1,767	1,047	Turkish.....	38	26	12	11	1	-----
Newfoundland.....	12	5	7	6	1	-----	Albanian.....	50	47	3	3	-----	-----
West Indies ¹	19	9	10	6	4	All other.....							
Mexico.....	1,311	1,014	297	128	78	91	Unknown.....	82	26	56	11	23	22
Central and South America	34	13	21	7	8	6	Of mixed mother tongue.....	9,919	9,919	9,919	9,919		
All other.....	1,065	133	932	104	379	449							
Of mixed foreign parentage.....	16,633	.....	10,633	16,633	.....	.....					

¹ Except possessions of the United States

² Probably includes a considerable proportion of Hebrews erroneously reported as of Russian mother tongue.

TABLE 24.—OWNERSHIP OF HOMES, FOR COUNTIES AND PLACES HAVING 10,000 INHABITANTS OR MORE: 1920.

COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.	COUNTY OR CITY.	Total homes.	Rented.	OWNED.				Tenure unknown.								
			Total.	Free.	Encum-bered.	Un-known.					Total.	Free.	Encum-bered.	Un-known.									
The state.....	98,346	38,598	57,985	38,842	17,582	1,561	1,763	COUNTIES—con.															
COUNTIES.																							
Beaver.....	1,099	417	661	357	140	164	21	San Juan.....	707	127	549	407	52	.....	31							
Box Elder.....	3,862	1,165	2,574	1,460	1,084	30	123	Sanpete.....	8,726	607	3,081	2,633	499	49	38								
Cache.....	5,073	1,404	4,215	3,063	1,128	21	54	Seymour.....	2,255	438	1,801	1,371	408	22	16								
Carbon.....	3,145	2,447	596	425	164	7	102	Summit.....	1,708	589	1,078	933	117	23	41								
Daggett.....	84	28	52	34	18	.....	4	Tooele.....	1,731	681	1,004	775	218	11	46							
Davis.....	2,379	599	1,758	1,201	546	11	22	Uintah.....	2,132	586	1,473	1,124	829	20	73								
Duchesne.....	1,768	517	1,193	576	581	36	58	Utah.....	8,463	2,077	6,249	4,532	1,413	304	137								
Emery.....	1,476	447	975	780	168	21	54	Wasatch.....	970	282	690	573	110	7	18								
Garfield.....	879	145	718	659	58	1	16	Washington.....	1,308	265	1,027	914	110	3	6								
Grand.....	400	200	189	125	52	12	11	Wayne.....	402	65	332	280	52	.....	5							
Iron.....	1,219	304	902	725	115	62	13	Weber.....	10,014	4,374	5,436	3,466	1,936	64	154								
Juab.....	2,211	834	1,318	980	190	148	59	CITIES.															
Kane.....	389	67	320	313	7	.....	2	Ogden.....	7,803	3,839	3,851	2,425	1,398	28	113							
Millard.....	1,987	547	1,420	1,024	370	17	20	Provo.....	2,130	690	1,423	1,014	398	11	17								
Morgan.....	508	169	328	229	99	.....	11	Salt Lake City.....	28,216	15,445	12,308	6,138	5,808	362	463							
Platte.....	567	205	349	187	51	111	13	Ward 1.....	8,507	2,843	5,588	2,201	3,277	20	76								
Rich.....	378	70	296	229	68	4	3	Ward 2.....	5,937	3,649	2,071	1,043	845	183	217								
Salt Lake.....	36,906	18,953	17,361	9,403	7,475	408	602	Ward 3.....	3,961	2,378	1,539	954	572	13	44								
								Ward 4.....	3,649	2,043	1,560	887	593	80	46								
								Ward 5.....	6,162	4,532	1,550	963	521	66	80								

POPULATION—UTAH.

TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920.

[Population 10 years of age and over—Total, 331,530; males, 172,295; females, 159,235. Persons gainfully occupied—Total, 149,201; males, 127,418; females, 21,783. Per cent of persons 10 years of age and over gainfully occupied—Total, 45.0; males, 74.0; females, 13.7.]

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.				AGE PERIODS.						
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	
		Native parent-age.	Foreign or mixed parent-age.									
MALES.....	127,418	51,272	45,989	28,783	716	2,658	5,538	5,862	17,172	163,457	80,552	4,837
Agriculture, forestry, and animal husbandry.....	42,372	18,932	17,216	5,214	77	883	3,121	2,370	5,708	18,106	10,948	2,119
Dairy farmers.....	191	62	93	36	—	—	—	—	7	90	83	11
Farm foremen, general farms.....	282	112	107	39	—	4	—	6	24	151	60	15
Farm laborers (home farm).....	4,870	3,470	1,297	70	6	27	2,120	884	1,222	595	30	10
Farm laborers (working out).....	9,780	5,270	3,301	811	14	300	872	1,152	2,616	3,818	1,066	262
Farmers, general farms.....	22,298	7,050	10,503	3,431	27	327	130	1,205	10,998	8,417	1,548	—
Fruit growers.....	205	73	74	57	—	1	—	1	6	87	94	37
Garden laborers.....	187	40	50	78	—	19	—	11	3	63	60	31
Gardeners.....	389	90	132	141	—	26	—	—	3	16	110	78
Stock herders, drovers, and feeders.....	2,115	1,064	659	250	24	118	87	157	450	1,109	282	30
Stock raisers.....	1,272	486	568	154	4	60	—	—	5	62	694	455
All other occupations.....	797	365	282	147	2	1	31	29	84	411	198	41
Extraction of minerals.....	10,096	2,636	2,282	4,638	78	462	114	360	1,323	6,060	2,031	208
Coal mine operatives.....	3,725	770	589	1,949	71	346	64	162	535	2,412	520	32
Copper mine operatives.....	1,594	296	260	902	3	103	8	39	191	959	331	36
Foremen and overseers.....	282	89	96	90	—	7	—	—	9	186	82	5
Gold and silver mine operatives.....	2,020	917	807	1,130	2	4	34	121	425	1,083	590	67
Lead and zinc mine operatives.....	247	31	32	133	1	—	2	2	34	160	45	4
Managers.....	168	77	57	34	—	—	—	2	—	84	73	9
Oil, gas, and salt well operatives.....	183	82	55	48	—	—	—	1	10	29	60	1
Operators.....	312	111	120	81	—	—	—	—	7	154	134	17
Quarry operatives.....	224	52	61	110	—	1	3	5	18	115	72	11
All other occupations.....	471	211	146	113	1	1	2	21	73	217	132	26
Manufacturing and mechanical industries.....	30,917	10,939	11,093	8,350	150	385	845	1,495	4,326	15,833	7,378	1,040
Apprentices to building and hand trades.....	235	101	104	30	—	—	118	49	41	26	1	—
Apprentices, other.....	277	121	137	19	—	—	152	87	32	6	—	4
Bakers.....	274	33	49	191	—	1	7	19	33	106	45	—
Blacksmiths.....	939	310	382	203	3	1	—	10	50	546	829	51
Boiler makers.....	536	198	211	124	1	2	—	18	85	330	99	4
Brick and stone masons.....	553	111	208	230	3	1	—	5	23	249	214	62
Builders and building contractors.....	464	158	186	119	1	—	—	8	—	219	209	28
Carpenters.....	3,510	1,226	1,247	1,035	5	6	8	47	257	1,671	1,279	257
Compositors, linotypers, and typesetters.....	369	132	161	75	—	1	3	3	24	58	182	9
Cranemen, derrickmen, hoistmen, etc.	243	98	96	49	—	—	3	3	26	174	37	—
Electricians.....	1,031	469	435	125	1	1	—	30	202	684	102	4
Engineers (stationary).....	864	343	303	215	—	3	5	5	71	471	277	35
Firemen (except locomotive and fire department).....	339	108	118	111	2	—	2	10	48	181	92	6
Foremen and overseers (manufacturing).....	743	282	322	158	—	1	—	2	44	470	223	4
Iron molders, founders, and casters.....	178	47	79	51	1	—	—	8	36	93	35	6
Laborers (not otherwise specified):												
Brick, tile, and terra cotta factories.....	215	50	65	67	3	—	9	25	30	94	51	0
Building, general, and not specified laborers.....	3,280	1,285	1,124	758	16	77	133	266	575	1,396	773	117
Copper factories.....	1,451	253	319	702	21	156	24	49	231	820	305	22
Food industries—												
Sugar factories and refineries.....	1,186	506	485	206	—	9	52	137	312	500	167	18
Other food industries.....	481	198	184	95	3	1	57	54	99	198	62	13
Gold and silver factories.....	253	69	63	82	—	30	2	19	38	133	58	3
Helpers in building and hand trades.....	239	91	86	58	3	1	8	22	52	107	44	6
Iron and steel industries—												
Blast furnaces and steel rolling mills ¹	188	60	81	42	4	1	5	17	44	98	26	3
Other iron and steel industries.....	319	106	94	112	12	25	15	27	72	145	80	10
Other industries.....	1,078	386	302	318	49	23	53	83	185	497	235	25
Machinists.....	1,984	821	719	417	2	5	—	80	340	1,108	352	24
Managers and superintendents (manufacturing).....	729	336	283	110	—	—	—	2	—	493	195	13
Manufacturers.....	337	108	151	125	—	3	—	—	10	201	158	18
Mechanics (not otherwise specified).....	1,550	773	585	187	2	3	—	107	422	875	132	14
Millers (grain, flour, feed, etc.).....	177	70	71	36	—	—	1	17	89	61	91	9
Painters, glaziers, and varnishers (building).....	844	249	287	306	1	1	3	14	68	467	267	35
Plasterers and cement finishers.....	314	86	126	99	3	—	—	3	24	171	103	13
Plumbers and gas and steam fitters.....	732	243	358	131	—	—	—	19	101	477	130	5
Semiskilled operatives (not otherwise specified):												
Food industries—												
Candy factories.....	178	70	75	33	—	—	44	28	28	63	15	—
Other food industries.....	301	137	143	79	2	—	27	22	72	186	52	2
Iron and steel industries—												
Car and railroad shops.....	596	192	212	189	1	2	13	30	88	333	124	8
Other iron and steel industries.....	360	134	131	92	2	1	23	37	73	162	57	8
Metal industries, other than iron and steel.....	259	75	97	86	—	1	4	15	46	154	37	3
Other industries.....	1,001	358	389	245	1	8	52	62	147	479	229	32
Shoemakers and cobblers (not in factory).....	322	41	43	236	1	1	9	7	15	110	119	62
Tailors.....	300	45	42	204	4	5	1	1	14	162	91	31
Tinsmiths and sheet metal workers.....	191	64	85	52	—	—	11	35	90	52	32	3
All other occupations.....	1,338	426	475	428	3	6	13	31	148	704	378	64
Transportation.....	11,484	4,866	3,747	2,386	82	400	309	490	1,666	6,198	2,574	247
Boiler washers and engine hostlers.....	153	65	45	30	9	4	8	11	25	73	33	3
Brakemen.....	549	323	175	51	—	—	2	—	67	381	94	5
Chamfers.....	491	226	190	60	11	4	20	46	120	249	63	3
Conductors (steam railroad).....	436	248	158	30	—	—	—	—	8	233	192	33
Conductors (street railroad).....	201	92	71	38	—	—	1	6	32	122	36	4

¹ Includes 199 males of unknown age.² Includes tinplate mills.

COMPOSITION AND CHARACTERISTICS.

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TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.					AGE PERIODS.															
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.	65 years and over.										
		Native parent-age.	Foreign or mixed parent-age.																			
MALES—Continued.																						
Transportation—Continued.																						
Draymen, teamsters, and expressmen ¹ .	1,457	661	588	202	6	.....	53	88	205	706	288	27									
Express messengers and railway mail clerks.	104	81	71	12	.....	.....	9	23	111	21	.....	.....								
Foremen and overseers (steam railroad).	463	124	140	158	1	40	.....	3	20	278	152	10									
Garage keepers and managers.	145	88	55	7	.....	.....	.....	13	106	22	1	1							
Inspectors (steam railroad).	283	125	109	49	.....	.....	2	2	21	175	79	4								
Laborers:																						
Road and street building and repairing.	487	202	158	122	2	3	11	42	78	171	151	34										
Steam railroad.	2,480	621	478	1,001	44	886	96	159	432	1,214	532	47										
Other transportation industries.	297	110	104	81	2	.....	29	31	61	97	52	27									
Locomotive engineers.	739	338	298	104	.....	1	.....	.....	12	491	234	12							
Locomotive firemen.	575	316	200	59	.....	.....	.....	28	173	349	24	3							
Mail carriers.	306	120	138	46	2	.....	7	8	30	156	91	14									
Motormen (street railroad).	259	93	111	55	.....	.....	.....	4	29	158	66	2							
Officials and superintendents (steam railroad).	210	124	64	23	.....	.....	.....	2	7	115	80	6							
Switchmen and flagmen (steam railroad).	469	268	130	67	1	3	1	8	32	309	106	18										
Telegraph operators.	250	170	70	9	.....	1	5	7	34	161	41	2									
All other occupations.	1,070	478	394	186	4	8	76	38	154	558	227	22										
Trade.	13,528	5,559	5,259	2,592	11	107	458	427	1,593	7,383	3,280	407										
Bankers, brokers, and money lenders:																						
Bankers and bank officials.	286	146	113	27	.....	.....	.....	.....	12	174	84	16						
Stockbrokers.	166	90	62	14	.....	.....	.....	4	91	58	13	13							
Other brokers and money lenders.	228	117	76	35	.....	.....	.....	1	9	121	79	18							
Clerks in stores².	576	259	221	93	.....	3	56	50	131	248	79	12									
Commercial travelers.	721	321	293	108	.....	1	.....	3	52	479	172	15								
Deliverymen.	787	326	360	98	.....	3	44	82	188	408	64	3									
Insurance agents.	399	193	163	43	.....	.....	.....	29	248	111	11	11							
Laborers in coal and lumber yards, warehouses, etc.	299	121	117	61	.....	.....	11	23	59	146	52	8								
Laborers, porters, and helpers in stores.	278	107	91	73	1	6	34	28	55	102	52	7										
Newspaper boys.	170	111	51	8	.....	.....	151	7	4	7	1	.....									
Real estate agents and officials.	466	224	178	82	1	1	2	19	212	209	44	44										
Retail dealers ³ .	4,423	1,450	1,654	1,241	6	72	11	33	244	2,489	1,404	180										
Sales agents.	152	70	61	21	.....	.....	4	10	106	26	6	6								
Salemen (stores).	3,729	1,714	1,478	521	3	18	138	182	708	2,069	582	52										
Wholesale dealers, importers, and exporters.	188	67	79	41	.....	1	.....	1	109	66	5	5								
All other occupations.	640	243	267	128	.....	2	13	11	64	356	179	17									
Public service (not elsewhere classified).	2,285	1,010	770	489	6	10	11	78	286	915	802	193										
Guards, watchmen, and doorkeepers.	416	136	110	104	4	2	2	13	83	232	86	86										
Laborers (public service).	255	77	84	88	1	5	3	10	24	90	97	31										
Marshals, sheriffs, detectives, etc.	189	76	76	36	.....	1	.....	2	87	83	17	17								
Officials and inspectors (city and county).	290	108	130	52	.....	.....	.....	10	132	126	22	22							
Policemen.	164	59	69	35	.....	1	.....	4	62	89	9	9								
Soldiers, sailors, and marines ⁴ .	516	341	112	61	1	1	6	58	203	228	17	4										
United States officials.	230	117	83	30	.....	.....	1	10	120	84	15	15								
All other occupations.	225	98	106	23	.....	.....	2	7	20	113	74	9								
Professional service.	5,068	2,846	2,023	657	17	25	47	70	660	3,407	1,276	208										
Chemists, assayers, and metallurgists.	278	131	121	25	1	.....	.....	.....	55	170	43	1							
Civil engineers and surveyors.	501	291	163	47	.....	2	.....	.....	56	350	82	13							
Clergymen.	205	102	52	46	3	2	.....	.....	55	77	58	15								
College presidents and professors ⁵ .	197	94	85	18	.....	.....	.....	7	144	43	3	3							
Dentists.	294	153	118	27	1	.....	.....	17	191	81	5	5								
Editors and reporters.	143	76	34	26	1	6	3	14	78	43	5	5										
Electrical engineers.	134	74	47	13	.....	.....	.....	12	99	21	2	2							
Lawyers, judges, and justices.	526	327	167	41	1	.....	.....	8	278	198	42	42								
Mining engineers.	288	149	96	43	.....	.....	.....	12	177	86	13	13							
Musicians and teachers of music.	317	128	124	57	8	.....	9	15	48	171	65	9									
Physicians and surgeons.	481	277	161	41	2	.....	1	14	191	713	121	2									
Teachers (school).	1,042	573	421	48	.....	.....	37	38	180	651	289	67								
All other occupations.	1,292	571	449	225	3	14	.....	.....	.....	.....	.....	.....				
Domestic and personal service.	4,713	1,368	1,070	1,622	288	365	167	140	384	2,412	1,337	273										
Barbers, hairdressers, and manicurists.	715	309	213	108	6	19	4	7	66	485	158	15										
Billiard and poolroom keepers.	165	84	45	78	.....	8	.....	2	10	105	44	4								
Hotelkeepers and managers.	227	82	51	82	1	11	.....	.....	4	120	94	9								
Janitors and sextons.	748	120	143	447	28	10	19	12	21	192	356	148										
Laundry operatives.	217	70	73	49	.....	25	33	22	39	83	34	6									
Restaurant, café, and lunch room keepers.	282	60	57	107	.....	.....	38	4	15	174	68	1								
Servants.	1,032	280	204	308	53	187	51	38	96	564	244	39										
Waiters.	431	118	68	99	110	41	17	17	59	260	77	1										
All other occupations.	916	295	221	284	90	26	43	38	74	449	262	50										

¹ Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; and drivers for bakers and laundries are classified with deliverymen in trade.² Many of the "Clerks in stores" probably are "Salesmen."³ Includes, also, managers and superintendents of retail stores.⁴ Includes only those resident in continental United States at the date of the enumeration.⁵ Probably includes some teachers in schools below collegiate rank.

TABLE 25.—TOTAL MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH SELECTED OCCUPATION, CLASSIFIED BY COLOR OR RACE, NATIVITY, AND PARENTAGE, AND AGE PERIODS, FOR THE STATE: 1920—Con.

SEX AND OCCUPATION.	Total.	COLOR OR RACE, NATIVITY, AND PARENTAGE.				AGE PERIODS.					
		Native white.		Foreign-born white.	Negro.	Ind., Chi., Jap., and all other.	10 to 17 years.	18 and 19 years.	20 to 24 years.	25 to 44 years (includes age unknown).	45 to 64 years.
		Native parent-age.	Foreign or mixed parent-age.								
MALES—Continued.											
Clerical occupations.....	6,355	2,966	2,529	832	7	21	466	432	1,226	3,163	926
Accountants and auditors.....	547	269	198	80			2	12	55	378	92
Agents.....	505	322	224	49				8	53	365	12
Bookkeepers and cashiers.....	1,388	637	557	135	9		17	83	320	757	10
Canvassers.....	53	16	18	17	1	1		1	7	21	35
Clerks (except clerks in stores).....	2,953	1,340	1,192	406	6	9	141	241	617	1,466	431
Collectors.....	162	73	55	34			3	6	28	60	36
Messenger, bundle, and office boys ¹	369	172	152	45			292	41	22	9	3
Stenographers and typists.....	288	137	133	16	2		11	42	124	100	10
FEMALES.....	21,783	10,096	8,292	3,119	155	121	1,544	2,719	5,737	8,152	3,195
Agriculture, forestry, and animal husbandry.....	887	321	345	203	2	18	66	33	46	236	416
Dairy farm, farm, and stock farm laborers.....	213	124	60	19	1	9	66	33	36	49	22
Farmers, general farms.....	536	228	144	1	5			7	141	318	70
All other occupations.....	138	39	57	40	2			3	46	76	13
Extraction of minerals (all occupations).....	21	9	6	4	2		3	4	6	8	
Manufacturing and mechanical industries.....	2,677	1,026	1,054	550	8	41	332	365	476	918	509
Dressmakers and seamstresses (not in factory).....	759	283	292	179	4	1	4	15	52	368	285
Laborers (not otherwise specified):											35
Food industries.....	157	77	61	19			46	39	44	22	4
Other industries.....	92	32	34	24	1	1	15	13	23	22	2
Milliners and millinery dealers.....	210	83	105	31			3	17	35	116	41
Semiskilled operatives (not otherwise specified):											7
Candy factories.....	407	165	196	46			104	108	113	72	10
Clothing industries.....	259	80	97	82			19	28	54	106	49
Textile industries.....	219	74	62	52			31	23	37	51	37
Other industries.....	365	152	139	67			7	95	82	72	32
All other occupations.....	200	80	68	50	1	1	23	26	30	85	34
Transportation.....	945	446	407	84	3	5	116	280	342	205	28
Telegraph operators.....	127	67	50	10			18	33	38	29	
Telephone operators.....	745	356	336	63			93	217	289	140	6
All other occupations.....	73	23	21	5			5	10	15	36	7
Trade.....	3,015	1,463	1,211	334	1	6	232	499	847	1,147	264
Clerks in stores ²	580	290	239	42			52	125	182	195	25
Retail dealers ¹	223	77	88	57	1			4	15	118	9
Saleswomen (stores).....	2,049	1,007	833	204	1	4	175	360	622	760	119
All other occupations.....	163	80	51	31	1		5	10	28	65	43
Public service (not elsewhere classified).....	183	83	84	16				4	27	104	44
Postmistresses.....	106	47	49	10				4	16	51	
All other occupations.....	77	36	35	6				11	11	53	31
Professional service.....	4,329	2,510	1,561	251	6	1	45	284	1,516	2,062	409
Musicians and teachers of music.....	317	179	118	17	3		12	24	77	159	40
Teachers (school).....	2,894	1,723	1,063	97	1	1	17	164	1,123	1,384	201
Trained nurses.....	544	296	177	71			3	48	203	242	50
All other occupations.....	574	303	203	66	2		13	33	113	277	118
Domestic and personal service.....	5,458	2,095	1,759	1,421	135	48	457	527	832	2,041	1,402
Boarding and lodging house keepers.....	419	155	125	124	9	6		2	16	186	137
Hotel keepers and managers.....	129	52	45	32				5	64	62	8
Housekeepers and stewardesses.....	637	246	220	161	8	2		52	88	252	211
Janitors and sextons.....	148	31	38	75	4			3	4	64	62
Laundresses (not in laundry).....	281	73	87	111	7	3	9	10	17	114	110
Laundry operatives.....	474	173	174	121	3	3	87	88	84	152	57
Nurses (not trained).....	628	249	237	140	1	1		13	61	224	292
Servants.....	2,017	785	595	522	95	20	274	250	397	712	341
Waitresses.....	433	235	137	55	2	4	62	88	126	130	43
All other occupations.....	292	98	101	80	6	9	22	20	34	134	73
Clerical occupations.....	4,268	2,143	1,865	256		4	293	763	1,645	1,431	129
Bookkeepers and cashiers.....	1,065	500	489	63			57	147	384	440	35
Clerks (except clerks in stores).....	866	455	359	52	4		54	135	292	334	49
Stenographers and typists.....	2,183	1,087	980	126			165	461	918	612	26
All other occupations.....	154	82	67	15			17	20	51	45	19

¹ Except telegraph messengers.² Includes 41 females of unknown age.³ Many of the "Clerks in stores" probably are "Saleswomen."⁴ Includes, also, managers and superintendents of retail stores.

TABLE 26.—WOMEN 15 YEARS OF AGE AND OVER IN EACH PRINCIPAL CLASS OF THE POPULATION ENGAGED IN GAINFUL OCCUPATIONS, CLASSIFIED BY MARITAL CONDITION, WITH A DISTRIBUTION OF THE MARRIED BY AGE PERIODS, FOR THE STATE: 1920.

CLASS OF POPULATION.	Aggregate.	MARRIED.						Single, widowed, divorced, and unknown.
		Total.	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over. ¹	
All classes.....	21,708	3,779	124	465	1,102	1,066	1,022	17,929
Native white—Native parentage.....	10,054	1,671	74	274	555	415	853	8,383
Native white—Foreign or mixed parentage.....	8,283	1,259	39	144	348	388	340	7,004
Foreign-born white.....	8,116	686	6	19	135	221	305	2,430
Negro.....	154	81	1	9	31	27	13	73
Indian.....	58	31	3	14	11	7	6	27
Chinese, Japanese, and all other.....	63	51	1	15	22	8	5	12

¹ Includes age unknown.

SUPPLEMENTAL TABLES FOR INDIAN POPULATION.

AGE, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS.								AGE PERIOD.	INDIANS.								
	Number: 1920			Per cent: 1920			Per cent: 1910			Number: 1920			Per cent: 1920			Per cent: 1910		
	Total	Male.	Female.	Total	Male.	Female.	Total	Male.	Female.	Total	Male.	Female.	Total	Male.	Female.	Total	Male.	Female.
All ages.....	2,711	1,442	1,269	100.0	100.0	100.0	100.0	100.0	100.0	838	457	381	30.9	31.7	30.0	33.1	32.5	33.7
Under 5 years.....	328	153	170	12.1	11.0	13.4	14.6	13.9	15.4	618	354	264	22.8	24.5	20.8	20.6	21.4	19.6
Under 1 year.....	42	26	16	1.5	1.8	1.3	2.3	2.5	2.2	4	2	2	0.1	0.1	0.2	1.3	1.4	1.2
5 to 9 years.....	357	180	177	13.2	12.5	13.9	12.1	12.5	11.6	950	513	437	35.0	35.6	34.4	37.0	36.4	37.7
10 to 14 years.....	308	162	146	11.4	11.2	11.5	9.9	10.0	9.7	1,408	783	625	51.9	54.3	49.3	52.3	52.0	51.5
15 to 19 years.....	258	129	129	9.5	8.9	10.2	8.5	8.3	8.8									

SCHOOL ATTENDANCE, FOR THE STATE: 1920 AND 1910.

[Per cent not shown where base is less than 100.]

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			
	Total number.	Attending school.		Total number.	Attending school.			Total number.	Attending school.		Total number.	Attending school.		
		Number.	Per cent.		Number.	Per cent.			Number.	Per cent.		Number.	Per cent.	
5 to 20 years, inclusive.....	875	390	40.0	1,035	103	10.0	7 to 13 years.....	430	251	52.3	461	55	11.9	
Male.....	501	195	38.9	556	53	9.5	90	39	-----	108	18	16.7		
Female.....	474	195	41.1	479	50	10.4	94	26	-----	93	11	-----		
5 and 6 years.....	147	57	38.8	167	10	6.0	18 to 20 years.....	164	17	10.4	206	9	4.4	

ILLITERACY, FOR THE STATE: 1920 AND 1910.

AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			AGE PERIOD.	INDIANS: 1920			INDIANS: 1910			
	Total number.	Illiterate.		Total number.	Illiterate.			Total number.	Illiterate.		Total number.	Illiterate.		
		Number.	Per cent.		Number.	Per cent.			Number.	Per cent.		Number.	Per cent.	
10 years and over.....	2,026	1,249	61.6	2,290	1,901	83.0	21 years and over.....	1,408	997	70.8	1,632	1,452	80.0	
Male.....	1,104	674	61.1	1,222	989	80.3	783	537	68.6	885	753	85.1		
Female.....	922	575	62.4	1,058	912	86.2	625	460	73.6	747	699	93.6		
10 to 20 years.....	618	252	40.8	658	449	68.2								
Male.....	321	187	42.7	347	236	68.0								
Female.....	297	115	38.7	311	218	68.5								

SEX, ILLITERACY, AND VOTING AGE, FOR COUNTIES: 1920.

[Per cent not shown where base is less than 100.]

COUNTY.	TOTAL INDIANS.				INDIANS 10 YEARS OF AGE AND OVER.			INDIANS 21 YEARS OF AGE AND OVER.			
	Both sexes.	Per cent of total population.	Male.	Female.	Total number.	Illiterate.		Male.	Number illiterate.	Total number.	Number illiterate.
						Number.	Per cent.				
The state.....	2,711	0.6	1,442	1,269	2,026	1,249	61.6	783	537	625	460
Box Elder.....	130	0.7	60	70	94	40	-----	39	16	41	23
Duchesne.....	70	0.8	36	34	49	9	-----	21	4	12	4
Iron.....	46	0.8	23	22	39	39	-----	16	16	16	16
Juab.....	128	1.3	61	67	98	66	-----	38	28	35	30
Mifflord.....	65	0.7	37	28	49	44	-----	27	22	15	15
Piute.....	37	1.3	21	16	31	-----	-----	10	-----	13	-----
San Juan.....	932	27.6	506	426	637	586	92.0	211	199	167	162
Tooele.....	52	0.7	26	26	42	17	-----	14	6	13	10
Uintah.....	1,131	13.4	612	519	803	437	48.9	369	240	277	198
Washington.....	71	1.0	34	37	53	6	-----	20	3	20	2
All other counties.....	49	(1)	26	23	41	5	-----	18	3	16	2

¹ Comprises those counties in which there are fewer than 15 Indians.² Less than one-tenth of 1 per cent.

AGRICULTURE—UTAH.

INTRODUCTION.

In the following pages are presented all of the published results of the 1920 census of agriculture for this state and its counties, except certain detailed tabulations for the state which appear in Volume V of the Fourteenth Census Reports and a few minor items which have been published in special bulletins. The statistics of farms and farm property, including live stock, relate to January 1, 1920; those of live-stock

products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

F FARMS AND FARM PROPERTY.

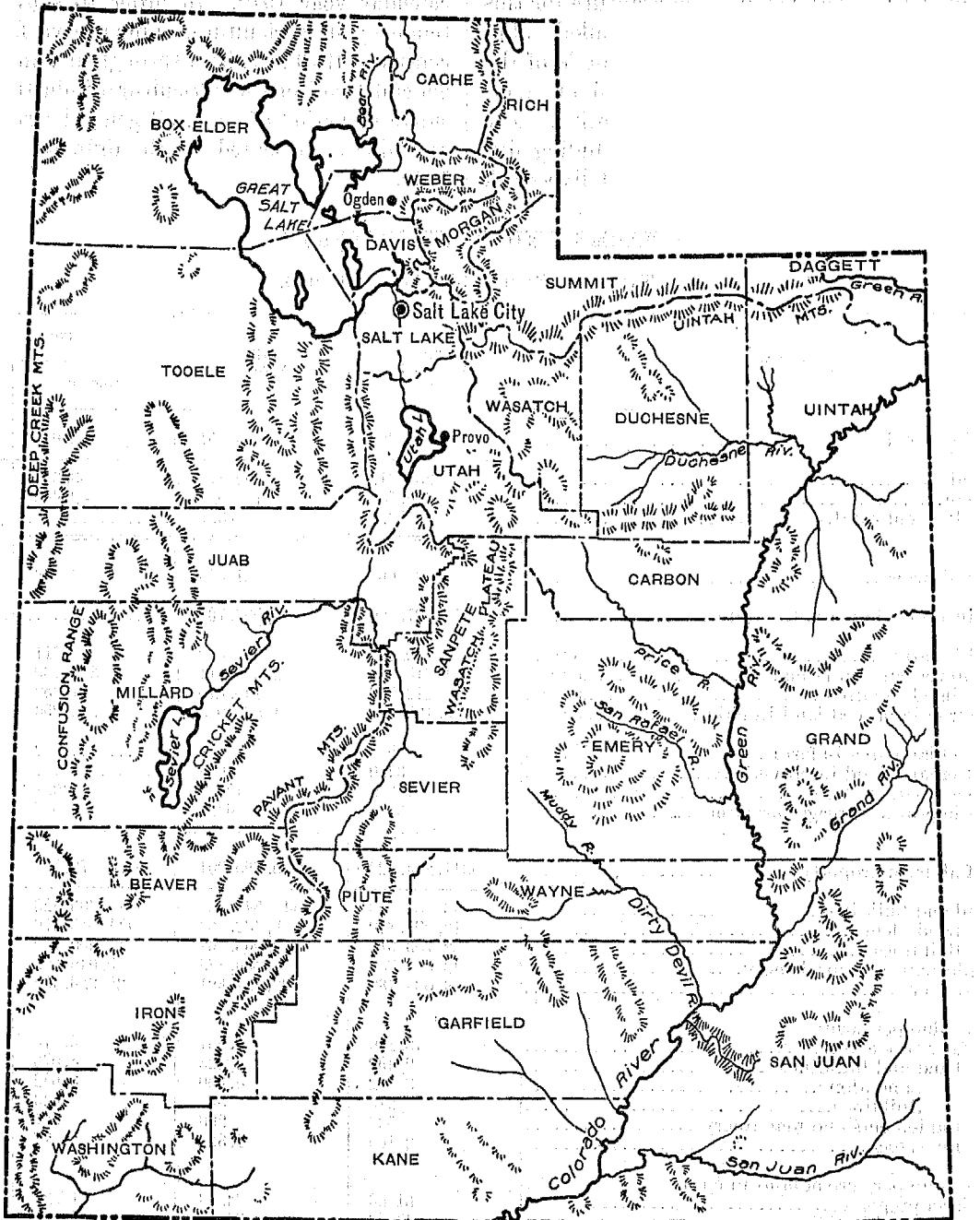
TABLE 1.—SUMMARY: 1920 AND 1910.

ITEM	1920 (January 1)	1910 (April 15)	INCREASE.	
			Amount.	Per cent.
Population, total.....	449,396	373,351	76,045	20.4
Rural ¹	233,812	200,417	33,395	16.7
Urban.....	215,584	172,934	42,650	24.7
Per cent rural.....	52.0	53.7		
Number of farms.....	25,662	21,676	3,986	18.4
Approximate land area of the state..... acres	52,597,760	52,597,760		
All land in farms..... acres	5,050,410	3,397,699	1,652,711	48.6
Improved land in farms..... acres	1,715,380	1,368,211	347,169	25.4
Woodland in farms..... acres	212,782	145,510	67,252	46.2
Other unimproved land in farms..... acres	3,122,268	1,883,978	1,238,290	65.7
Per cent of land area in farms.....	9.6	6.5		
Per cent of farm land improved.....	34.0	40.8		
Average acreage per farm.....	196.8	156.7	40.1	25.6
Average improved acreage per farm.....	66.8	63.1	3.7	5.9
Value of all farm property..... \$	311,274,728	150,795,201	\$160,479,527	106.4
Land and buildings.....	243,751,758	117,545,332	126,206,426	107.4
Land alone.....	210,997,840	99,482,164	111,515,676	112.1
Buildings.....	32,753,918	18,063,168	14,690,750	81.3
Implements and machinery.....	13,514,787	4,468,178	9,046,609	202.5
Live stock.....	54,008,183	28,781,691	25,226,492	87.6
Average value per farm:				
All farm property.....	12,130	6,957	5,173	74.4
Land and buildings.....	9,499	5,428	4,076	75.2
Land alone.....	8,222	4,590	3,632	79.1
Buildings.....	1,276	838	448	53.2
Implements and machinery.....	527	206	321	155.8
Live stock.....	2,105	1,328	777	58.5
Average value per acre of land in farms:				
All farm property.....	61.63	44.38	17.25	38.9
Land and buildings.....	48.26	34.60	18.66	39.5
Land alone.....	41.78	29.28	12.50	42.7
Buildings.....	6.49	5.32	1.17	22.0
Implements and machinery.....	2.68	1.32	1.36	103.0
Live stock.....	10.69	8.47	2.22	26.2

¹ Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 198,020. For this territory, the increase in population between 1910 and 1920 was 18.1 per cent, which percentage indicates the rate of growth of the rural population, leaving out of consideration the changes in classification of territory.

UTAH

COUNTIES, PRINCIPAL CITIES, RIVERS, AND MOUNTAINS.



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EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

Farm.—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

Farmer.—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

Farm owners include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

Managers are farmers who are conducting farm operations for the owner for wages or a salary.

Farm tenants are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

Farm land.—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

Improved land includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

Woodland includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

All other unimproved land includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- proved.		
	Number.	Per cent of in- crease.	All land.		Improved land.					
			Acres.	Per cent of in- crease. ¹	Acres.	Per cent of in- crease.				
1920.....	25,662	18.4	5,050,410	48.6	1,715,380	25.4	9.6	34.0		
1910.....	21,676	11.8	3,397,690	-17.5	1,368,211	32.6	6.5	40.3		
1900.....	19,387	84.3	4,116,951	211.0	1,032,117	88.3	7.8	25.1		
1890.....	10,517	11.3	1,323,705	101.0	548,223	31.7	2.6	41.4		
1880.....	9,452	92.6	655,524	341.8	416,105	250.4	1.2	63.5		
1870.....	4,908	35.0	148,361	65.0	118,755	53.8	0.3	80.0		
1860.....	3,635	292.5	89,911	91.9	77,219	372.8	0.1	85.9		
1850.....	926	.....	46,849	.....	16,333	.....	(2)	34.9

¹ A minus sign (—) denotes decrease.

² Less than one-tenth of 1 per cent.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENT AND MACHINERY.		LIVE STOCK.	
	Value.	Percent of increase.	Value.	Percent of increase.	Value.	Percent of increase.	Value.	Percent of increase.
1920.....	\$311,274,728	106.4	\$243,751,758	107.4	\$13,514,787	202.5	\$54,008,183	87.6
1910.....	150,795,301	100.6	117,545,332	131.5	4,468,178	52.0	28,781,691	34.0
1900.....	75,175,141	90.4	50,778,350	78.8	2,022,550	150.9	21,474,241	116.6
1890.....	39,482,206	104.2	28,402,780	102.7	1,164,660	23.0	9,914,766	126.8
1880.....	19,333,569	409.9	14,015,178	662.4	946,758	308.1	4,371,638	154.2
1870 ²	3,701,301	22.6	1,838,338	37.9	233,112	-4.0	1,719,831	18.4
1860.....	3,092,951	223.0	1,353,335	327.0	242,889	188.2	1,516,707	177.3
1850.....	943,059	.....	311,700	.....	84,288	.....	546,968	.....

¹ A minus sign (—) denotes decrease.

² Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.
[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.					
	All land.	Im- proved land.	All farm prop- erty.	Land and build- ings.	Imple- ments and ma- chinery.	Live stock.		
1920.....	196.8	66.8	\$12,130	\$9,499	\$527	\$2,105		
1910.....	156.7	63.1	6,937	5,423	206	1,328		
1900.....	212.4	53.2	3,878	2,610	151	1,108		
1890.....	125.9	52.1	3,754	2,701	111	943		
1880.....	69.4	44.0	2,045	1,483	100	463		
1870 ¹	80.2	24.2	772	375	47	350		
1860.....	24.7	21.2	851	367	67	417		
1850.....	50.6	17.6	1,018	387	91	591		

¹ Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Imple- ments and ma- chinery.	Live stock.
1920.....	\$61.63	\$48.26	\$41.78	\$6.49	\$2.68	\$10.69
1910.....	44.38	34.60	29.28	5.32	1.32	8.47
1900.....	18.26	12.33	9.75	2.59	0.71	5.22
1890.....	29.83	21.46	.....	.....	0.88	7.49
1880.....	29.49	21.38	.....	.....	1.44	6.67
1870 ¹	25.55	12.39	.....	.....	1.57	11.59
1860.....	34.40	14.83	.....	.....	2.70	16.87
1850.....	20.13	6.66	.....	.....	1.80	11.68

¹ Computed gold values, being 80 per cent of the currency values reported.

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F FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE, ¹		PER CENT OF TOTAL.	
	1920	1910	Number	Per cent.	1920	1910
Total.....	25,662	21,676	3,986	18.4	100.0	100.0
Under 20 acres.....	4,610	4,674	-64	-1.4	18.0	21.6
Under 3 acres.....	269	297	-28	-9.4	1.0	1.4
3 to 9 acres.....	1,942	1,836	106	5.8	7.6	8.5
10 to 19 acres.....	2,390	2,641	-142	-5.6	9.3	11.7
20 to 49 acres.....	6,549	5,550	999	18.0	25.5	25.6
50 to 99 acres.....	5,080	4,170	910	21.8	19.8	19.2
100 to 174 acres.....	4,080	3,660	420	11.6	15.9	16.9
175 to 499 acres.....	3,867	2,681	1,186	44.2	15.1	12.4
175 to 259 acres.....	1,771	1,872	399	29.1	6.9	6.3
260 to 499 acres.....	2,066	1,309	787	60.1	8.2	6.0
500 to 999 acres.....	852	551	301	54.6	3.8	2.5
1,000 acres and over....	618	390	228	58.5	2.4	1.8

¹ A minus sign (—) denotes decrease.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	25,662	21,676	19,387	10,517	9,452
Under 10 acres.....	2,211	2,183	2,002	637	424
10 to 19 acres.....	2,390	2,541	2,202	1,354	1,318
20 to 49 acres.....	6,549	5,550	5,261	3,555	3,688
50 to 99 acres.....	5,080	4,170	3,741	2,096	2,056
100 to 499 acres.....	7,953	6,341	5,565	2,734	1,916
500 to 999 acres.....	852	551	368	101	36
1,000 acres and over....	618	390	248	40	9
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	8.0	9.8	10.3	6.1	4.6
10 to 19 acres.....	9.3	11.7	11.4	12.9	13.9
20 to 49 acres.....	25.5	25.6	27.1	33.8	39.0
50 to 99 acres.....	19.8	19.2	19.3	19.9	21.8
100 to 499 acres.....	31.0	29.3	28.7	26.0	20.3
500 to 999 acres.....	3.3	2.5	1.9	1.0	0.4
1,000 acres and over....	2.4	1.8	1.3	0.4	0.1

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	5,050,410	3,397,699	1,715,380	1,368,211	\$243,751,758	\$117,545,332
Under 20 acres.....	45,394	45,027	41,282	42,698	17,494,903	11,996,852
20 to 49 acres.....	221,278	181,178	183,929	153,899	44,590,545	22,188,727
50 to 99 acres.....	362,377	293,613	268,747	214,976	47,158,810	20,965,001
100 to 174 acres.....	503,226	512,595	313,193	256,127	30,430,291	19,690,152
175 to 499 acres.....	1,101,829	745,164	491,814	328,168	48,640,507	21,359,510
500 to 999 acres.....	591,606	370,088	199,460	153,974	18,648,866	7,626,182
1,000 acres and over....	2,174,700	1,249,434	227,455	238,371	27,781,777	13,718,908

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.	AVERAGE VALUE OF LAND AND BUILDINGS.				
		Per farm.		Per acre.		
	1920	1910	1920	1910	1920	1910
Total.....	34.0	40.3	\$9,499	\$5,423	\$48.26	\$34.60
Under 20 acres.....	90.9	93.6	3,795	2,567	885.40	262.93
20 to 49 acres.....	83.1	85.0	6,810	3,998	201.54	122.47
50 to 99 acres.....	74.2	73.2	9,283	5,028	130.14	71.40
100 to 174 acres.....	55.6	60.0	9,650	5,380	70.01	38.41
175 to 499 acres.....	43.7	44.0	12,578	7,987	44.15	28.66
500 to 999 acres.....	34.3	36.2	21,888	13,841	32.08	20.61
1,000 acres and over....	10.5	19.1	44,954	36,177	12.77	10.98

F FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number	Per cent.	1920	1910
Total.....	25,662	21,676	3,986	18.4	100.0	100.0
Owners.....	22,579	19,762	2,817	14.3	88.0	91
Owning entire farm.....	19,134	17,176	1,958	11.4	74.6	70
Hiring additional land.....	3,445	2,580	859	33.2	13.4	11
Managers.....	296	194	102	52.6	1.2	0
Tenants.....	2,787	1,720	1,067	62.0	10.0	7
Share tenants.....	1,369	837	532	63.6	5.3	3
Share-cash tenants.....	56	97	41	0.2	0	0
Cash tenants.....	1,176	490	686	140.0	4.6	2
Unspecified.....	186	296	-110	-37.2	0.7	1

¹ A minus sign (—) denotes decrease. Percent not shown when base is less than 10.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
	25,662	21,676	19,387	10,517	9,452
Farms operated by owners.....	22,579	19,762	17,303	19,974	19,411
Owning entire farm.....	19,134	17,176	15,312	(2)	(2)
Hiring additional land.....	3,445	2,580	2,051	(4)	(4)
Farms operated by managers.....	296	194	311	(3)	(3)
Farms operated by tenants.....	2,787	1,720	1,713	543	4
Share tenants.....	1,369	837	1,207	422	2
Share-cash tenants.....	56	97	41	0	0
Cash tenants.....	1,176	490	506	121	1
Unspecified.....	186	296	—	—	—
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	88.0	81.2	89.6	104.8	105
Owning entire farm.....	74.6	79.2	79.0	(2)	(2)
Hiring additional land.....	13.4	11.9	10.8	(2)	(2)
Operated by managers.....	1.2	0.9	1.6	(8)	(8)
Operated by tenants.....	10.9	7.9	8.8	5.2	4
Share and share-cash.....	5.6	4.3	6.2	4.0	3
Cash and unspecified.....	5.3	3.6	2.6	1.2	1

¹ Includes farms operated by managers.² Not reported separately.³ Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	5,050,410	3,397,699	1,715,380	1,368,211	\$243,751,758	\$117,545,332
Owners.....	4,062,508	2,888,090	1,457,096	1,202,072	206,623,839	101,417,117
Managers.....	615,734	315,376	70,344	66,402	9,737,800	6,545,1
Tenants.....	372,168	194,233	178,940	99,677	27,390,119	9,581,1

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	88.0	91.2	80.4	85.0	84.9	87.9	84.8	80
Managers.....	1.2	0.9	9.3	4.6	4.6	4.9	4.0	4
Tenants.....	10.9	7.0	7.4	5.7	10.4	7.3	11.2	8

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TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.				AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land		1920		1910		Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	196.8	156.7	66.8	63.1	34.0	40.3	\$9,499	\$5,423	\$48.26	\$34.60		
Owners.....	179.9	146.1	64.5	60.8	35.9	41.6	9,151	5,132	60.86	35.12		
Managers.....	2,030.2	1,625.6	208.1	134.6	12.0	21.1	32,898	33,741	15.81	20.76		
Tenants.....	133.5	112.9	64.2	58.0	48.1	51.3	9,828	5,571	73.60	49.33		

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE.				AVERAGE PER FARM.			All land (acres).	Improved land (acres).	Value of land and buildings.			
	Number of farms.	All land in farms (acres).		Value of land and buildings.								
		All land (acres).	Improved land (acres).									
Total.....	25,682	5,050,410	1,715,380	\$243,751,758			196.8	66.8	\$9,499			
Male.....	25,085	4,991,528	1,689,554	239,287,190			199.4	67.5	9,558			
Female.....	627	58,882	25,826	4,404,568			93.9	41.2	7,121			
Owners....	22,579	4,002,508	1,457,096	206,623,839			179.9	64.5	9,151			
Male.....	21,970	4,004,174	1,481,995	202,238,927			182.3	65.2	9,205			
Female.....	609	58,334	25,501	4,389,912			95.8	41.9	7,208			
Managers....	296	616,734	79,344	9,737,800			2,080.2	248.1	32,898			
Male.....	295	615,074	79,288	9,731,800			2,087.0	248.3	32,899			
Female.....	1	60	56	6,000			60.0	56.0	6,000			
Tenants....	2,787	372,188	178,940	27,380,119			138.5	64.2	9,828			
Male.....	2,770	371,680	178,671	27,321,463			134.2	64.5	9,863			
Female.....	17	488	269	68,656			28.7	15.8	4,030			

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers....	25,682	21,676	5,050,410	1,715,380	\$243,751,758
White farmers....	25,248	21,400	4,899,240	1,690,794	240,375,568
Native.....	21,270	16,948	4,631,616	1,475,865	206,086,465
Forsign-born.....	3,972	5,452	467,624	220,920	33,660,113
Country of birth:					
Denmark.....	904	1,420	106,432	52,892	7,614,216
England.....	1,126	1,022	142,055	61,687	9,038,226
Germany.....	210	176	16,535	9,280	1,686,156
Italy.....	148	67	7,999	3,314	1,024,760
Norway.....	125	108	9,517	6,388	872,888
Scotland.....	138	257	28,020	7,783	1,182,740
Sweden.....	528	742	55,715	28,056	4,276,074
Switzerland.....	143	173	13,557	7,020	1,282,074
Wales.....	127	202	26,279	16,734	2,162,644
Other countries.....	523	326	61,500	27,320	4,550,742
Colored farmers....	414	276	51,170	18,586	3,376,190
Negro.....	61	11	11,456	2,407	651,045
Indian.....	209	200	31,242	8,712	689,300
Japanese.....	133	52	8,348	7,343	1,960,995
Chinese.....	11	13	124	124	84,850

¹ Includes farmers with country of birth not reported, as follows: For 1920, 461; for 1910, 21.

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. ¹		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	25,682	21,676	21,276	15,848	3,972	5,452	414	276
Owners.....	22,579	19,762	18,688	14,380	3,652	6,180	239	216
Managers.....	296	194	268	164	25	29	3	1
Tenants.....	2,787	1,720	2,320	1,404	295	257	172	59

¹ Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Percent.	1920	1910
Total.....	22,579	19,762	2,817	14.3	100.0	100.0
Free from mortgage....	10,756	15,131	-4,375	-28.9	47.6	76.6
Mortgaged.....	9,916	4,492	5,424	120.7	43.9	22.7
Unknown.....	1,007	139	1,768	.....	8.4	0.7

¹ A minus sign (—) denotes decrease. Per cent not shown when more than 1,000. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
					1920	1910	1900	1890
Total.....	22,579	19,762	17,766	10,763	100.0	100.0	100.0	100.0
Free from mortgage....	10,756	15,131	15,397	10,166	47.6	76.6	86.7	94.5
Mortgaged.....	9,916	4,492	1,032	597	43.9	22.7	10.9	5.5
Unknown.....	1,007	139	437	.....	8.4	0.7	2.5	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. ¹		INCREASE.	
	1920	1910	Amount.	Per cent.
Number of farms reporting debt.....			8,086	3,526
Value of land and buildings.....			\$84,578,191	\$21,319,580
Amount of mortgage debt.....			\$24,384,636	\$4,504,175
Ratio of debt to value, per cent.....			28.8	21.4
Average rate of interest paid, per cent.....			7.1	.....
Average value per farm.....			\$10,490	\$6,046
Average debt per farm.....			\$3,009	\$1,294
Average equity per farm.....			\$7,450	\$4,752
.....				

¹ Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures, it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE.		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
					1919	1909
Labor.....	15,033	11,805	8,228	27.3	59.6	54.5
Fertilizer.....	1,017	571	446	78.1	4.0	2.6
Feed.....	13,082	6,086	6,996	115.0	51.0	28.1

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.

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LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

Domestic animals: 1920 and 1910.—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in this bulletin are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

Dairy cows: 1920 and 1910.—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Utah the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 80,801, as compared with 75,810 "cows kept for milk" reported for April 15, 1910. This represents an increase of 4,991, or 6.6 per cent. The number of "beef cows" reported for January 1, 1920, was 228,953, as compared with 185,174 "cows not kept for milk" reported for April 15, 1910, representing an increase of 43,779, or 23.6 per cent.

"Dairy cows" constituted 26.1 per cent of all cows reported in 1920, as compared with 29 per cent for "cows kept for milk" in 1910. The reduction in this percentage is due partly, if not wholly, to the change in classification mentioned above and should not be taken as indicating a decline in the relative importance of the dairy industry.

Farms reporting domestic animals: 1910.—Horses were reported by 19,684 farms in Utah in 1910, mules by 814 farms, cattle by 19,053, sheep by 2,388, and swine by 12,200. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Utah increased from 21,676 in 1910 to 25,662 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Aver-age value.
Total.....	24,463	95.3	.....	\$52,973,251	.....
Horses, total.....	23,111	90.1	125,471	9,042,418	\$76.85
Colts under 1 year of age.....	7,353	28.7	12,989	388,413	29.90
Colts 1 year old and under 2 years.....	6,833	26.6	12,573	545,159	43.36
Mares 2 years old and over.....	18,667	72.7	51,841	4,400,419	84.88
Geldings 2 years old and over.....	18,301	71.5	47,043	4,016,700	85.38
Stallions 2 years old and over.....	830	3.2	1,025	201,718	284.00
Mules, total.....	1,153	4.5	2,793	190,211	68.10
Mule colts under 1 year of age.....	257	1.0	570	19,968	35.03
Mule colts 1 year old and under 2 years.....	238	0.9	483	27,112	56.13
Mules 2 years old and over.....	706	2.8	1,740	143,131	82.26
Asses and burros.....	155	0.6	609	26,243	43.09
Cattle, total.....	22,138	86.3	505,578	22,627,870	44.76
Beef cattle, total.....	9,231	36.0	387,563	16,806,429	42.27
Calves under 1 year of age.....	7,237	28.2	94,528	2,200,172	23.34
Heifers 1 year old and under 2 years.....	6,007	23.4	53,825	1,960,408	36.42
Cows and heifers 2 years old and over.....	7,430	29.0	175,128	8,578,020	48.08
Steers 1 year old and under 2 years.....	3,768	14.6	41,917	1,752,835	41.82
Steers 2 years old and over.....	1,595	6.2	24,557	1,395,503	56.83
Bulls 1 year old and over.....	3,528	13.7	7,608	912,880	119.00
Dairy cattle, total.....	18,381	71.6	108,015	5,821,441	53.89
Calves under 1 year of age.....	8,745	34.1	26,794	503,790	19.53
Heifers 1 year old and under 2 years.....	5,600	22.1	14,077	550,037	39.07
Cows and heifers 2 years old and over.....	17,880	69.7	66,724	4,609,423	60.08
Bulls 1 year old and over.....	1,195	4.7	1,420	158,191	111.40
Sheep, total.....	5,438	21.2	1,691,795	18,881,529	11.18
Lambs under 1 year of age.....	4,169	16.2	407,622	3,243,783	7.96
Ewes 1 year old and over.....	4,228	16.5	1,231,341	14,408,144	11.75
Rams 1 year old and over.....	1,017	7.5	25,162	921,862	36.64
Wethers 1 year old and over.....	788	2.9	27,670	247,740	8.95
Goats, total.....	305	1.2	29,512	253,100	8.58
Kids under 1 year of age, raised for fleeces.....	87	0.3	7,510	43,792	5.83
Goats 1 year old and over, raised for fleeces.....	93	0.4	17,506	184,069	10.46
All other goats.....	148	0.6	4,406	25,239	5.73
Swine, total.....	17,897	69.7	99,361	1,361,980	13.61
Pigs under 6 months old.....	10,858	42.3	51,224	336,640	7.53
Sows and gilts for breeding, 6 months old and over.....	6,146	23.9	13,170	328,188	24.92
Boars for breeding, 6 months old and over.....	947	3.7	1,184	40,871	34.62
All other hogs, 6 months old and over.....	8,553	33.3	33,783	507,272	17.68

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TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORTING, 1920.		NUMBER REPORTED. ¹		Value, 1920 ²	Average value, 1920
	Number.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total	21,177	82.5	980,097	691,041	\$814,586	\$0.83
Chickens	21,016	81.9	954,065	673,062	755,379	0.79
Turkeys	2,343	9.1	14,896	7,996	46,449	3.12
Ducks	825	3.2	3,233	3,782	3,658	1.13
Geese	709	2.8	3,040	2,988	7,743	2.55
Guinea fowls	98	0.4	661	249	443	0.79
Pigeons	283	1.1	3,672	3,900	894	0.24
Hives of bees	1,453	5.7	25,061	26,185	220,366	8.79

¹ The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.

² Includes a small number of peafowls.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER.		INCREASE. ¹	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910	125,471	² 111,135	14,336	12.9
Colts under 1 year old on Jan. 1 of census year	12,089	14,070	-1,081	-7.7
Horses 1 year old and over on Jan. 1 of census year	112,482	94,290	18,192	19.3
Mules:				
Total, excluding spring colts reported for 1910	2,793	2,189	654	30.6
Mule colts under 1 year old on Jan. 1 of census year	570	575	-5	-0.9
Mules 1 year old and over on Jan. 1 of census year	2,223	1,564	659	42.1
Cattle:				
Total, excluding spring calves reported for 1910	505,678	² 370,292	126,286	33.3
Calves under 1 year old on Jan. 1 of census year	120,322	84,878	35,444	41.8
Cows and heifers 1 year old and over on Jan. 1 of census year	309,754	200,984	48,770	18.7
Steers and bulls 1 year old and over on Jan. 1 of census year	75,502	26,383	49,119	186.2
Sheep:				
Total, excluding spring lambs reported for 1910	1,691,795	1,670,890	20,905	1.3

¹ A minus sign (—) denotes decrease.

² Includes animals not classified.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
			Number.		Increase. ¹	
	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Total	10,722	10,928	.....	.....	.....	.....
Horses	4,973	7,747	13,097	18,287	-5,190	-28.4
Horses 1 year old and over on Jan. 1 of census year	.....	.....	12,543	17,330	-4,793	-27.6
Mules	114	94	305	488	-183	-37.5
Mules 1 year old and over on Jan. 1 of census year	.....	.....	282	455	-173	-38.0
Asses and burros	19	29	31	53	-22	.....
Cattle	7,907	6,929	26,448	16,459	9,989	60.7
Cattle 1 year old and over on Jan. 1 of census year	.....	.....	21,917	12,150	9,767	80.4
Sheep	557	194	11,110	39,789	-28,679	-72.1
Goats	86	40	814	1,368	-554	-40.5
Swine	4,710	1,741	14,203	4,252	9,951	234.0

¹ A minus sign (—) denotes decrease. Per cent not shown when base is less than 100.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses	138,568	125,471	13,097
Horses 2 years old and over	111,734	99,009	11,875
Mules	3,098	2,793	305
Mules 2 years old and over	2,098	1,740	263
Asses and burros	640	609	31
Cattle	532,026	505,578	26,448
Beef cattle	407,622	397,593	10,059
Dairy cattle	124,404	108,015	16,389
Dairy cows	78,861	60,724	12,137
Sheep	1,702,905	1,691,795	11,110
Goats	30,326	29,512	814
Swine	113,564	99,361	14,203

LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.—The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm; the 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows. For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably

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been somewhat above the actual production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919, but had none on January 1, 1920.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	17,880	69.7	66,724	Head.....	
On farms reporting milk produced.....	15,704	61.2	57,451	Head.....	
On farms not reporting milk produced.....	2,176	8.5	9,273	Head.....	
Average production of milk per dairy cow, 1919 ¹			403	Gals.....	
Specified dairy products:					
Milk, as reported 1919.....			25,002,493	Gals.....	
1909.....			20,486,317	Gals.....	
Increase, 1909-1919.....			5,116,176	Gals.....	
Per cent of increase.....			25.0		
Total production of milk, including estimates 1919.....			20,330,512	Gals.....	
Butter made.....	4,185	16.3	2,878,675	Lbs.....	\$1,503,563
1909.....	10,806	48.0	2,497,386	Lbs.....	\$672,470
Cheese made.....	374	1.5	73,606	Lbs.....	\$27,237
1909.....	104	0.5	84,102	Lbs.....	\$13,125
Milk sold.....	2,263	8.8	9,051,187	Gals.....	\$2,276,197
1909.....	3,708	17.1	8,471,713	Gals.....	\$10,015
Cream sold.....	728	2.8	291,659	Gals.....	\$436,118
1909.....	1,275	5.9	270,225	Gals.....	\$223,840
Butter fat sold.....	758	3.0	1,049,559	Lbs.....	\$563,072
1909.....	1,246	5.7	914,133	Lbs.....	\$242,076
Butter sold.....	1,393	5.4	1,040,581	Lbs.....	\$541,404
1909.....	8,788	17.5	919,581	Lbs.....	\$257,379
Value of milk, cream, and butter fat sold, and of butter and cheese made ² 1919.....			\$4,800,087		
Increase, 1909-1919.....			\$2,067,534		
Per cent of increase.....			\$2,741,553		
Receipts from sale of dairy products ³ 1919.....			\$3,819,601		
1909.....			\$1,648,655		
Increase, 1909-1919.....			\$2,171,936		
Per cent of increase.....			131.7		

¹ Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

² This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

³ Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$9,346.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	5,436	1,691,795			
On farms reporting wool.....	3,408	1,577,149			
On farms not reporting wool.....	2,028	114,646			
Sheep of shearing age ¹ on farms Apr. 15, 1910.....	2,276	1,670,890			
Wool produced, as reported, total.....	3,615	1,488,749	11,163,888	\$5,518,135	
On farms reporting sheep.....	3,408	1,455,532	10,899,997	\$5,330,198	
On farms not reporting sheep.....	207	33,217	203,891	\$178,937	
Total production of wool, including estimates.....				11,690,303	\$5,728,248
1919.....				12,102,220	\$2,063,827
1909.....				—411,017	\$3,034,421
Increase, 1909-1919 ²				—3.4	173.6
Per cent of increase ²					
Goats raised for fleeces, on farms Jan. 1, 1920.....	164	25,108			
Mohair produced, as reported, total.....	57	18,905	81,405	\$50,171	
1919.....	21	44,708	44,708	\$11,240	

¹ Sheep born before Jan. 1, 1910.

² A minus sign (—) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	21,016	81.9	954,605	
On farms reporting eggs produced.....	18,997	74.0	889,494	
On farms reporting chickens raised.....	12,973	50.6	644,829	
Fowls on farms Apr. 15, 1910.....	17,443	80.5	691,941	
Eggs produced, as reported.....	19,124	74.5	5,350,060	\$1,933,800
Total production of eggs, including estimates.....			5,709,076	2,112,358
1919.....			4,672,866	990,959
Eggs sold, as reported.....	1919.....	6,193	24.1	3,059,845
1909.....	10,378	47.9	2,315,120	1,137,528
Eggs sold, as reported.....	1919.....	6,193	24.1	3,059,845
1909.....	10,378	47.9	2,315,120	1,137,528
Chickens raised, as reported.....	13,056	50.9	771,773	540,089
Total chickens raised, including estimates.....			1,107,446	775,212
1919.....			971,917	412,359
Chickens sold, as reported.....	1919.....	1,298	5.0	275,650
1909.....	7,238	33.4	268,015	158,238

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	1,453	25,061		
On farms reporting honey.....	1,063	22,676		
On farms not reporting honey.....	390	2,385		
Bees on farms Apr. 15, 1910.....	1,873	26,185		
Honey produced.....	1919.....	1,068	1,232,230	\$246,447
1909.....	1,348	1,138,091	75,892	
Wax produced.....	1919.....	18,933	18,933	5,200
1909.....	16,667	16,667	3,871	

¹ Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

² This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

³ Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$9,346.

CROPS.

Summary: 1919 and 1909.—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, including the number of farms reporting each crop, and the percentage of increase for the decade in acreage, production, and value.

In comparing one year with another it should be

borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.							
	Number.		Percent of all farms.		1919	1909	Per cent of increase. ¹	Quantity.			Value.				
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. ¹	1919	1909	Per cent of increase. ¹	
All crops.												\$58,067,067	\$18,204,379	219.0	
With acreage reports.					2,030,398	754,773	36.5					52,281,459	17,218,700	203.6	
With no acreage reports.												5,785,608	985,679	487.0	
Cereals, total.															
Corn.	3,331	2,533	13.0	11.7	370,849	298,613	24.2	Bu.	6,535,068	8,296,625	-21.2	12,388,557	6,092,281	103.3	
Oats.	8,211	9,781	32.0	45.1	169,825	80,816	-23.5	Bu.	245,361	169,688	50.4	517,456	134,396	285.0	
Wheat, total.	14,488	12,337	56.5	57.1	268,457	178,423	50.5	Bu.	1,724,302	3,221,280	-46.5	2,060,260	1,671,065	23.8	
Winter Spring.	4,201	5,294	16.6	24.4	149,552	119,948	24.7	Bu.	4,100,976	3,043,910	4.0	9,022,154	3,765,017	139.6	
Emmer and spelt.	11,758	4	45.8	—	118,905	68,475	103.3	Bu.	2,260,503	1,555,247	41.5	4,180,915	2,246,160	86.2	
Barley.	2,801	3,554	10.9	16.4	15,938	26,752	-40.4	Bu.	305	1,311	-73.0	580	763	-24.0	
Rye.	504	396	2.0	1.8	10,378	5,234	98.3	Bu.	365,186	891,471	-59.0	620,814	472,816	31.3	
Buckwheat.	3	12	(3)	0.1	—	8	—	Bu.	72,507	65,754	10.3	148,642	46,338	220.8	
Kafir and milo.	4	—	—	—	—	7	—	Bu.	121	3,382	-96.4	242	1,886	-87.2	
Mixed crops ² .	43	—	0.2	—	379	—	—	Bu.	6,127	—	—	9,192	—	—	
Other grains and seeds with acreage reports, total ³ .					1,153	322	258.1					113,803	15,786	620.9	
Dry edible beans.	202	208	0.8	1.0	414	196	111.2	Bu.	8,036	8,352	8.5	22,181	10,006	121.7	
Soy beans.	38	—	0.1	—	51	—	—	Bu.	562	—	—	2,248	—	—	
Dry peas.	171	55	0.7	0.8	547	126	334.1	Bu.	12,939	3,222	301.6	65,938	5,753	—	
Flaxseed.	2	1	(3)	(8)	70	(4)	—	Bu.	578	1	—	2,457	4	—	
Sugar-beet seed.	2	—	(4)	—	52	—	—	Lbs.	40,500	—	—	20,250	—	—	
Seeds with no acreage reports, total ⁴ .								Bu.	62,708	52,604	19.2	1,250,835	314,514	297.7	
Red clover seed.	51	—	0.2	—	—	—	—	Bu.	1,241	—	—	26,061	312,704	290.1	
Other clover and alfalfa seed.	968	—	3.8	—	—	—	—	Bu.	61,095	52,284	19.3	{ 1,221,900	—	—	
Timothy seed.	16	9	0.1	(8)	—	—	—	Bu.	171	113	51.3	1,710	366	367.2	
Other grass seed.	4	—	(3)	(8)	—	—	—	Bu.	180	109	65.1	1,080	254	325.2	
Millet seed.	1	2	(8)	(8)	—	—	—	Bu.	21	148	-85.8	84	400	-82.0	
Hay and forage, total ⁵ .	21,479	17,837	83.7	82.8	549,967	405,428	—	Tons.	1,031,609	1,016,075	—	24,769,397	7,431,492	—	
All tame or cultivated grasses.					439,034	332,824	32.2	Tons.	861,543	883,325	-2.5	21,882,621	6,090,876	220.8	
Timothy alone.	903	1,026	3.5	4.7	13,843	16,819	-20.7	Tons.	21,077	34,214	-38.4	558,549	302,980	84.4	
Timothy and clover mixed.	1,584	633	6.2	2.9	33,164	11,508	188.2	Tons.	53,993	24,115	123.9	1,403,818	204,659	585.0	
Clover alone.	354	77	1.4	0.4	2,849	728	291.3	Tons.	4,043	1,793	125.5	88,946	14,789	501.4	
Alfalfa.	18,573	16,565	72.4	76.4	365,190	284,182	28.5	Tons.	748,949	791,355	-5.4	19,098,207	5,950,250	221.0	
Other tame grasses ⁶ .	1,118	—	4.4	—	25,388	19,587	29.6	Tons.	33,481	31,848	5.1	703,101	224,198	213.0	
Wild, salt, or prairie grasses.	2,261	2,110	8.8	9.7	80,942	67,888	19.2	Tons.	95,158	91,315	4.2	1,808,002	530,029	241.1	
Small grains cut for hay.	1,747	—	6.8	—	15,689	1,541	—	Tons.	{ 17,585	—	—	{ 351,700	20,500	—	
Annual legumes cut for hay.	252	220	1.0	1.0	1,830	1,541	—	Tons.	4,046	2,625	724.0	80,920	—	—	
Silage crops.	462	—	1.8	—	3,890	—	—	Tons.	31,380	—	—	313,800	—	—	
Corn cut for forage ⁸ .	1,322	—	5.2	—	6,638	595	—	Tons.	12,623	1,356	—	170,420	0,525	—	
Kafir, sorghum, etc., for forage.	61	—	0.2	—	211	—	—	Tons.	360	—	—	8,104	—	—	
Root crops for forage.	513	—	2.0	—	933	2,585	-63.9	Tons.	8,914	37,454	-76.2	173,830	174,562	-0.4	
Vegetables, total.					93,801	27,778	237.7					5,615,888	1,501,847	252.8	
Potatoes (Irish or white).	11,463	12,199	44.6	56.3	12,047	14,210	-15.2	Bu.	1,638,400	2,409,693	-31.6	3,494,607	873,901	299.9	
Sweet potatoes and yams.	1	5	(8)	(8)	(6)	(6)	—	Bu.	12	68	—	30	110	-72.7	
Other vegetables ¹⁰ .	8,135	9,046	12.2	41.7	8,309	7,006	—					1,164,731	717,776	—	
Farm garden ¹¹ .	14,967	—	58.4	—	—	—	—					956,526	—	—	
Miscellaneous crops, total.															
Sugar beets grown for sugar.	8,398	3,034	32.7	16.8	68,359	27,442	240.2	Tons.	930,427	413,811	124.8	10,115,848	1,869,967	441.0	
Sorghum grown for syrup.	241	152	0.9	0.7	419	336	24.7	Tons.	2,287	1,627	40.6	10,048,611	1,857,316	441.0	
Sundry minor crops ¹² .	—	—	—	—	23	(6)	—					66,093	12,571	429.9	
Fruits and nuts, total.															
Small fruits.	2,567	—	10.0	—	910	1,416	-35.7	Qts.	1,198,200	8,118,395	-61.6	3,822,739	888,492	330.3	
Other fruits and nuts.	—	—	—	—	—	—	—					244,486	217,327	12.5	
						—	—					3,578,253	671,165	433.1	

¹ A minus sign (—) denotes decrease. Per cent not shown when base is less than 100 or when per cent is more than 1,000.

² Excluding 6,638 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

³ Less than one-tenth of 1 per cent.

⁴ Principally wheat, oats, and barley, wheat and oats, and oats and barley grown and harvested together.

⁵ Includes small quantities of peanuts (1919 and 1909), and of sorghum seed and sunflower seed (1919).

⁶ Less than 1 acre.

⁷ The 1909 value includes the value of a small quantity of flower and vegetable

seeds. The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

⁸ Corn cut for forage was not reported to any extent in 1909; hence no very close comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

⁹ Includes millet and Hungarian grass.

¹⁰ The 1919 figures represent vegetables raised for sale only.

¹¹ In 1909 the value of the farm garden was largely included in the value of "other vegetables."

¹² These crops comprise broom corn (1919 and 1909), hops (1919), and tobacco (1909).

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The combined acreage of crops harvested in Utah in 1919 for which the acreage was reported was 1,030,398, which represents 60.1 per cent of the total improved land in farms (1,715,380 acres). The total crop acreage reported for 1909 was 754,773, or 55.2 per cent of the improved land in farms (1,368,211 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 8,418 acres of mature crops grazed or "hogged off."

Farm value of crops.—At the census of 1920 the farm schedule called for the value of all farm property, including land, buildings, implements and machinery, and the different classes of live stock. It also called for mortgage indebtedness, certain classes of farm expenditures, and the value of live-stock products sold. To this extent the census of 1920 followed the procedure of 1910 and 1900.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879
Corn.....	13,848	7,267	11,617	5,782	12,007
Oats.....	61,825	80,816	43,894	22,747	19,525
Wheat.....	268,457	178,423	189,235	84,505	72,542
Barley.....	15,988	26,752	8,644	6,440	11,268
Hay and forage.....	1,549,987	405,428	388,043	159,368	65,214
Potatoes.....	12,047	14,210	10,433	6,591	7,800
Sugar beets grown for sugar.....	93,359	27,442	.....	.....	.....

¹ Includes 6,638 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.		AVERAGE VALUE PER ACRE.		
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	0.8	0.5	Bu...	19.2	23.4	\$37.37	\$18.49
Oats.....	3.6	5.9	Bu...	27.0	39.9	33.47	20.68
Wheat.....	15.7	18.0	Bu...	16.3	22.1	33.61	21.10
Barley.....	0.9	2.0	Bu...	22.0	33.3	38.95	17.67
Hay and forage.....	32.1	29.6	Tons.	1.88	2.51	45.02	18.33
Potatoes.....	0.7	1.0	Bu...	136.8	109.5	290.08	61.50
Sugar beets grown for sugar.....	5.4	2.0	Tons.	9.97	15.08	107.63	67.08

To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the farm garden.

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	F FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	3,135	12.2	8,309	\$1,104,781
Asparagus.....	57	0.2	65	15,954
Beans (green).....	322	1.3	220	32,753
Cabbages.....	350	1.4	273	58,435
Cantaloupes and muskmelons.....	312	1.2	240	52,743
Carrots.....	134	0.5	39	9,837
Celeri.....	58	0.2	104	44,853
Corn (sweet).....	283	1.1	206	19,639
Cucumbers.....	274	1.1	93	15,217
Onions.....	453	1.8	175	77,166
Peas (green).....	791	3.1	2,484	168,177
Squashes.....	127	0.5	79	14,227
Tomatoes.....	1,601	6.2	3,648	518,162
Watermelons.....	460	1.8	390	72,770
All other vegetables.....	.....	.....	124	37,384
Mixed vegetables.....	159	0.6	219	37,409

TABLE 36.—SUGAR CROPS: 1919 AND 1909.

CROP.	F FARMS REPORTING.		Acres harvested.	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Sugar beets grown for sugar.....	8,308	32.7	93,359	930,427	Tons..	\$10,018,611
	3,034	16.8	27,442	413,811	Tons..	1,857,318
Sorghum grown for sirup.....	241	0.9	1,419	1,2,287	Tons..	.....
	152	0.7	836	1,627	Tons..	.....
Sirup made.....	1919.....	.....	1,44,404	Gals..	66,608	
	1909.....	21,947	Gals..	12,571	

¹ Figures include estimates for incomplete reports.

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TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		PRODUCTION.		
	Number.	Per cent of all farms.	Acres harvested.	Quantity (quarts).	Value.
Total.....	1919.....	2,567	10.0	910	1,198,200
	1909.....			1,416	8,118,395
					\$244,486
					217,327
Strawberries.....	1919.....	634	2.5	254	454,792
	1909.....	1,049	4.3	710	1,882,796
					96,957
Raspberries.....	1919.....	1,409	5.5	383	363,801
Loganberries.....	1919.....	3	(1)	(2)	200
Raspberries and loganberries.....	1909.....	1,291	6.0	374	758,317
					55
Blackberries and dewberries.....	1919.....	221	0.9	88	115,487
	1909.....	247	1.1	95	184,140
					26,552
Currants.....	1919.....	857	3.3	108	172,201
	1909.....	1,043	4.8	128	195,901
					30,997
Other berries.....	1919.....	851	3.9	77	61,709
	1909.....			100	147,241
					9,890
					9,765

¹ Less than one-tenth of 1 per cent.

² Less than 1 acre.

TABLE 38.—FRUIT AND NUT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

CROP.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.		1920	1910
	1920	1910	1920	1910		
Orchard fruits, total ¹	2,873		11.2		132,932	1,641,755
Apples.....	2,256	4,631	8.8	21.4	80,304	789,260
Peaches.....	1,015	2,856	4.0	13.2	28,551	651,233
Pears.....	964	1,042	3.8	7.6	8,479	39,901
Plums and prunes.....	961	1,016	3.7	7.5	7,503	28,388
Cherries.....	1,105	2,300	4.3	10.6	7,046	100,119
Apricots.....	60	1,101	0.2	5.1	435	25,039
Subtropical fruits, total.....					814	175
Figs.....	74	16	0.3	0.1	705	175
Pomegranates.....	3		(2)		10	
Grapes.....	227	277	0.9	1.8	33,471	94,043
Nuts, total.....	101		0.4	0.2	6,345	1,180
Almonds.....	101	30	0.4	0.2	5,618	684
Pecans.....	5	5	(2)	(2)	6	12
Walnuts (Persian or English).....	113	42	0.4	0.2	824	484

¹ Includes quinces. Since this fruit was not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² Less than one-tenth of 1 per cent.

TABLE 39.—ORCHARD AND SUBTROPICAL FRUITS, GRAPES, AND NUTS: 1919 AND 1909.

CROP.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				PRODUCTION.				
	Number.		Per cent of all farms.		NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.		
	1920	1910	1920	1910	1920	1910	Unit.	Quantity.	Value.
Orchard fruits, total ¹	10,077		39.3		1,533,976	1,885,681	Bu.	1,934,421	\$3,488,529
Apples.....	9,000	8,419	35.1	38.8	726,471	517,039	Bu.	759,600	350,023
Peaches.....	5,460	4,765	21.3	22.0	554,202	544,314	Bu.	883,050	143,237
Pears.....	4,227	4,747	16.6	21.9	51,812	79,355	Bu.	70,008	38,654
Plums and prunes.....	5,222	5,771	20.3	26.8	66,914	135,619	Bu.	60,677	155,817
Cherries.....	4,526	4,244	17.6	19.6	112,695	79,775	Bu.	123,477	88,037
Apricots.....	509	2,760	2.0	12.7	21,830	28,978	Bu.	40,564	54,170
Subtropical fruits, total.....					1,382	387	Lbs.	84,630	22,584
Figs.....	99	40	0.4	0.2	812	287	Lbs.	51,700	8,192
Pomegranates.....	18	1	0.1	(2)	570	100	Lbs.	33,130	588
Grapes.....	843	692	3.8	3.2	205,031	204,446	Lbs.	1,102,625	66,156
Nuts, total.....					7,314	1,737	Lbs.	61,874	15,376
Almonds.....	206	113	0.8	0.5	6,477	1,408	Lbs.	48,053	10,064
Pecans.....	7	4	(2)	(2)	20	35	Lbs.	533	12,165
Walnuts (Persian or English).....	120	53	0.5	0.2	817	292	Lbs.	12,138	1,756
							Lbs.	5,985	8,036
									583

¹ Includes quinces and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² Less than one-tenth of 1 per cent.

³ Includes trees of miscellaneous varieties.

Age of farmers.—A farmer or farm operator, as defined for census purposes, is a person who operates a farm. The number of farm operators, for which the age distribution is shown in the following table, is therefore the same as the number of farms.

TABLE 40.—FARM OPERATORS CLASSIFIED ACCORDING TO AGE AND TENURE: 1920 AND 1910.

AGE.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920		1910		1920		1910	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total...	25,662	21,676	22,579	19,762	296	194	2,787	1,720
Reporting age...	25,219	21,617	22,212	19,730	283	176	2,724	1,711
Under 25 years.....	1,205	939	792	604	58	15	415	320
25 to 34 years.....	5,556	4,542	4,403	3,799	86	56	1,007	687
35 to 44 years.....	6,067	5,808	5,802	5,487	72	56	733	255
45 to 54 years.....	5,978	5,338	5,561	5,101	45	20	367	217
55 to 64 years.....	3,984	3,160	3,811	3,040	17	23	166	97
65 years and over.....	1,774	1,740	1,723	1,699	5	6	40	35
Not reporting age.....	443	59	367	32	13	18	63	9

Farmers classified by number of years on farm.—In the following table the farmers of the state are classified according to the number of years they had been on the farms which they were operating when the census was taken. The purpose of this classification is to show the relative stability of the different classes.

In 1920 the date of enumeration (January 1) came just before the period during which changes from one farm to another are commonly made in most localities, and hence at a time when many farmers had almost, but not quite, completed one, two, or more years on their farms. Considerable numbers of these farmers reported one, two, or more full years, in place of reporting the correct number of months (or years and months). In 1910, however, the enumeration date (April 15) was late enough so that, in localities where the common moving time was in the early part of the year, the number of years of occupancy was accurately reported. These differences seriously affect the comparability of the returns, especially for the first two years of occupancy. Hence these two years, which were tabulated separately and are so published in Volume V of the Fourteenth Census Reports, have been combined in the following table.

TABLE 41.—FARM OPERATORS CLASSIFIED ACCORDING TO NUMBER OF YEARS ON FARM, BY TENURE: 1920 AND 1910.

NUMBER OF YEARS ON FARM.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920		1910		1920		1910	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total...	25,862	21,670	22,579	19,762	296	194	2,787	1,720
Rptg. years on farm....	24,715	17,441	21,835	15,749	269	150	2,511	1,542
Less than 2 years....	3,026	2,433	2,555	1,663	106	68	964	702
2 to 4 years.....	5,108	4,133	4,160	3,533	80	48	888	552
5 to 9 years.....	4,884	2,994	4,423	2,812	47	14	414	168
10 years and over....	11,098	7,881	10,797	7,741	36	20	265	120
Not reporting.....	947	4,235	644	4,013	27	44	270	178

Cooperative marketing and purchasing.—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 2,145 farms in Utah, including 359 farms which reported both sales and purchases,

768 farms which reported sales only, and 1,018 farms which reported purchases only.

TABLE 42.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: 1919.

ITEM.	FARMS REPORTING.		AMOUNT.	
	Number.	Per cent of all farms.	Total.	Average per farm.
Marketing or purchasing	2,145	8.4		
Marketing.....	1,127	4.4	\$1,105,523	\$981
Purchasing.....	1,377	5.4	183,112	133

Farm facilities—Motor vehicles, telephones, water, and light on farms.—The following table indicates the extent to which the farmers of Utah used motor vehicles and telephones, and the extent to which the farm homes were supplied with water and modern lighting facilities.

TABLE 43.—MOTOR VEHICLES, TELEPHONES, WATER, AND LIGHT ON FARMS: 1920.

ITEM.	FARMS REPORTING.		Number reported.	Number per 1,000 of all farms.
	Number.	Per cent of all farms.		
Automobiles.....	8,246	32.1	8,657	333
Motor trucks.....	544	2.1	572	22
Tractors.....	553	2.2	583	22
Telephones.....	6,295	24.5	.....	.....
Water piped into house.....	6,179	24.1	.....	.....
Gas or electric light.....	11,125	43.4	.....	.....

Pure-bred live stock on farms.—The inquiry relating to pure-bred live stock called for registered animals only, but it seems evident, from a study of the returns, that some animals merely eligible for registry (but not actually registered) were included in the reports.

The number of farms in Utah in 1920 was 25,662, of which number 24,463 reported domestic animals of some kind, and 4,379 reported pure-bred live stock.

TABLE 44.—PURE-BRED LIVE STOCK CLASSIFIED ACCORDING TO BREED: 1920.

NOTE.—Pure-bred horses reported in Utah represented 0.5 per cent of all horses on farms (see Table 23); pure-bred cattle, 2.7 per cent of the total; pure-bred sheep, 1.8 per cent; and pure-bred swine, 2.5 per cent.

BREED.	Number.	BREED.	Number.
Horses, total.....	635	Sheep, total.....	30,013
Belgian.....	45	Hampshire Down.....	2,145
Clydesdale.....	31	Lincoln.....	236
French Draft.....	22	Merino.....	48
Percheron.....	326	Oxford.....	67
Shire.....	46	Rambouillet.....	25,094
Standard Bred.....	24	Shropshire.....	86
Thoroughbred.....	56	Southdown.....	163
All other breeds ¹	85	All other breeds.....	2,144
Cattle, total.....	13,856	Swine, total.....	2,492
Beef breeds, total.....	10,934	Berkshire.....	676
Aberdeen Angus.....	62	Chester White.....	188
Galloway.....	19	Duroc-Jersey.....	1,246
Hereford.....	5,978	Hampshire.....	11
Polled Durham.....	2,707	Poland China.....	307
Shorthorn.....	2,007	All other breeds.....	64
All other beef breeds ¹	161		
Dairy breeds, total.....	2,922		
Guernsey.....	93		
Holstein-Friesian.....	970		
Jersey.....	1,706		
All other dairy breeds ¹	153		

¹ Includes animals reported as pure bred, with breed not specified.

Calves, pigs, and lambs raised on farms.—The figures presented include young animals born in 1919, which were retained on the farm, sold to others, or slaughtered for food, but do not include young animals purchased or those that died.

TABLE 45.—CALVES, PIGS, AND LAMBS RAISED ON FARMS: 1919.

ITEM.	FARMS REPORTING.		ANIMALS RAISED.		
	Number.	Per cent of all farms.	Number.	Average per farm.	
Calves.....	17,753	69.2	140,426	7.9	
Pigs.....	10,705	41.7	115,045	10.8	
Lambs.....	3,968	15.5	694,208	175.0	

Domestic animals sold or slaughtered on farms.—The number of cattle, swine, and sheep slaughtered on farms was reported for both 1919 and 1909, but the farm schedule for 1919 carried no inquiry with regard to the value of the animals slaughtered, or with regard to the number or value of the animals sold by farmers. The total value of domestic animals sold or slaughtered on farms in Utah in 1919 has been estimated, however, at \$15,600,000, as compared with \$6,656,236, the value reported for 1909.

TABLE 46.—DOMESTIC ANIMALS SLAUGHTERED ON FARMS: 1919 AND 1909.

ITEM AND CENSUS YEAR.	FARMS REPORTING.		ANIMALS SLAUGHTERED.		Meat and meat products sold (pounds).
	Number.	Per cent of all farms.	Number.	Average per farm.	
Cattle and calves.....	7,160	27.9	15,778	2.2	2,003,109
Cattle.....			13,520		
1909.....	2,214	10.2	8,208	3.7	
Calves.....	1,233	5.7	5,312	4.3	
Swine.....	18,117	70.0	58,225	3.2	2,015,968
1909.....	10,040	46.3	31,210	3.1	
Sheep and lambs.....	3,803	14.8	28,736	7.6	224,723
1909.....	2,076	3.1	10,579	24.5	

Sales of selected crops.—The sales of the crops listed represent that part of the year's production which was sold, or to be sold, by those farmers who produced the crops.

TABLE 47.—PRODUCTION AND SALES OF SELECTED CROPS: 1919 AND 1909.

CROP AND CENSUS YEAR.	Farms reporting production.	FARMS REPORTING SALES.		Production.	QUANTITY SOLD (OR TO BE SOLD).		
		Num-ber.	Per cent of farms reporting production.		Amount.	Per cent of production.	
Corn.....	1919.....	3,331	275	8.3	Bushels.	Bushels.	
	1909.....	2,533	164	6.5	265,301	33,150	12.5
Oats.....	1919.....	8,211	1,830	22.3	169,688	17,298	10.2
	1909.....	9,781	2,492	25.2	1,724,302	411,994	23.9
Barley.....	1919.....	2,801	427	15.2	8,221,239	702,942	23.7
	1909.....	3,554	686	19.3	365,188	56,287	15.4
Hay.....	1919.....				891,471	221,015	24.8
	1909.....						
Potatoes.....	1919.....	11,453	4,327	37.8	Tons.	Tons.	
Apples.....	1919.....		2,138		978,332	149,856	15.3
					977,265	95,197	9.7
					Bushels.	Bushels.	
					1,648,400	948,838	57.6
					759,098	554,740	73.0

Fruit products of farms.—The figures relate only to fruit products obtained from fruit grown on those farms reporting the products.

TABLE 48.—FRUIT PRODUCTS (FARM PRODUCTION): 1919 AND 1909.

ITEM.	1919	1909	Farms reporting.	Production.
Cider.....	1919.....	1909.....	192	Gallons.
	18,033	5,347	65	
Cider made (or to be made) into vinegar.....	1919.....	1909.....	111	6,891
Vinegar made on farms ¹	1919.....	1909.....	92	2,089
Grape juice.....	1919.....	1909.....	49	871
Wine and grape juice.....	1919.....	1909.....	50	12,173
Dried fruits.....	1919.....	1909.....	663	Pounds.
	78,830	103,743	306	

¹ Includes vinegar other than that made from cider.

Forest products of farms.—Forest products, as defined on the farm schedule, include firewood, fence posts, crossties, pulp wood, saw logs, poles, etc., and standing timber sold and cut during the years indicated. The figures cover only forest products of farms and do not represent by any means the total value of all forest products cut in the state during the census years.

TABLE 49.—FOREST PRODUCTS OF FARMS: 1919 AND 1909.

ITEM.	1919	1909
Forest products of farms:		
Farms reporting.....	282	130
Per cent of all farms.....	1.1	0.6
Value.....	\$120,262	\$6,730
Average per farm reporting.....	\$426	\$52
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	39	-----
Value.....	\$50,085	\$921
Average per farm reporting.....	\$603	-----
Forest products used on farms (or cut and held for use):		
Farms reporting.....	223	-----
Value.....	\$70,177	\$5,809
Average per farm reporting.....	\$315	-----

Nurseries and greenhouses.—The data presented for nurseries include the returns from all farms and establishments reporting receipts from the sale of nursery stock, and those for greenhouses include the returns from all farms and establishments reporting receipts from the sale of greenhouse products (whether grown in hothouses or in cold frames).

TABLE 50.—NURSERIES AND GREENHOUSES: 1919 AND 1909.

ITEM.	1919	1909
Nurseries:		
Number of nurseries (farms and establishments) reporting.....	15	38
Acreage used for growing nursery stock.....	55	577
Receipts from sale of products.....	\$20,298	\$188,455
Average receipts per nursery.....	\$1,353	\$4,659
Average receipts per acre.....	\$369,05	\$326,61
Greenhouses:		
Number of farms and establishments reporting.....	49	33
Square feet under glass.....	457,513	261,292
Receipts from sale of products.....	\$220,864	\$81,116
Flowers and flowering plants.....	\$201,641	-----
Vegetables and vegetable plants.....	\$19,223	-----
Average receipts per farm or establishment.....	\$4,507	\$2,458

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920,

	THE STATE.	Beaver.	Box Elder.	Cache.	Carbon.	Daggett. ¹	Davis.	Duchesne. ²	Emery.
ALL FARMS.									
1 Number of farms, 1920.	25,062	373	1,859	2,242	235	37	1,172	1,248	759
2 1910.	21,676	319	1,527	1,007	171	.....	1,302	.....	666
3 1900.	19,387	301	1,017	1,795	144	.....	938	.....	455
4 All farmers classified by sex, 1920:	25,035	365	1,822	2,103	230	35	1,142	1,220	729
5 Male.	827	8	37	49	5	2	30	19	30
6 Female.	.....	.....	.....	.....	.....	.....	.....	.....	.....
7 Color and nativity of all farmers, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
8 Native white.	21,276	339	1,507	1,881	137	31	980	1,102	621
9 Foreign-born white.	3,972	34	299	392	98	6	161	108	133
10 Negro and other nonwhite.	414	.....	53	19	.....	.....	31	38	.....
11 All farms classified by size, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
12 Under 3 acres.	289	2	24	11	4	.....	15	5	3
13 3 to 9 acres.	1,042	5	33	138	15	.....	108	4	24
14 9 to 19 acres.	2,399	25	118	217	18	.....	188	8	20
15 20 to 49 acres.	6,549	127	402	594	52	1	419	204	162
16 50 to 99 acres.	5,080	84	337	507	62	3	265	316	182
17 100 to 174 acres.	4,086	57	208	325	51	15	101	433	219
18 175 to 259 acres.	1,771	27	160	168	10	3	88	136	87
19 260 to 499 acres.	2,098	34	241	194	15	7	36	98	43
20 500 to 999 acres.	852	9	137	68	5	4	7	23	16
21 1,000 acres and over.	618	3	89	20	3	4	5	21	8
LAND AND FARM AREA.									
22 Approximate land area, 1920.	52,597,700	1,702,400	3,484,160	744,900	951,680	544,000	176,000	2,000,240	2,849,920
23 Land in farms, 1920.	5,050,410	52,620	542,348	317,608	35,809	18,065	98,732	262,081	103,268
24 1910.	3,397,699	45,956	343,185	294,160	56,653	.....	127,267	.....	66,708
25 1900.	4,116,061	28,239	570,660	310,662	27,975	.....	225,057	.....	54,181
26 Improved land in farms 1920.	1,715,380	33,004	219,657	189,054	12,117	5,104	52,029	90,607	43,587
27 1910.	1,368,211	19,354	142,922	181,348	13,824	.....	55,370	.....	39,388
28 1900.	1,032,117	14,821	90,703	166,272	8,780	.....	50,575	.....	25,618
29 Woodland in farms, 1920.	212,762	260	11,047	25,373	2,312	165	6,320	12,906	487
30 Other unimproved land in farms, 1920.	3,122,268	19,272	311,644	108,671	21,470	13,396	40,383	143,328	61,194
31 Per cent of land area in farms, 1920.	9.6	3.1	15.6	42.6	3.8	3.4	56.1	12.1	3.7
32 Per cent of farm land improved, 1920.	34.0	62.9	40.5	57.8	33.8	27.3	52.7	38.4	41.4
33 Average acreage per farm, 1920.	196.8	141.1	291.7	141.7	162.8	504.5	84.2	201.0	138.7
34 Average improved acreage per farm, 1920.	66.8	88.7	118.2	81.9	51.6	137.9	44.4	77.5	57.4
VALUE OF FARM PROPERTY.									
35 All farm property 1920.	311,274,728	3,580,768	30,705,221	33,395,813	1,962,054	581,007	16,268,520	9,903,830	5,356,191
36 1910.	150,795,201	1,953,193	13,883,695	15,552,104	1,457,253	.....	10,561,506	.....	3,856,308
37 1900.	75,175,141	917,068	4,429,116	6,347,095	459,261	.....	4,815,810	.....	1,272,208
38 Land in farms, 1920.	210,997,840	2,477,380	22,533,807	25,268,359	1,302,350	286,550	12,033,108	6,001,904	2,902,061
39 1910.	99,482,164	1,164,837	9,096,488	11,134,238	852,555	.....	7,815,103	.....	2,587,302
40 1900.	40,126,500	414,920	2,630,100	4,059,700	173,920	.....	3,040,200	.....	504,750
41 Farm buildings, 1920.	32,763,918	232,435	3,095,659	3,933,633	218,595	38,850	2,180,210	694,838	512,280
42 1910.	18,068,168	187,990	1,454,482	2,008,592	119,725	.....	1,684,785	.....	391,795
43 1900.	10,651,790	174,010	510,990	850,700	61,010	.....	730,800	.....	213,550
44 Implements and machinery.	13,514,787	145,973	1,566,317	1,435,628	91,806	25,775	735,661	485,138	288,005
45 1910.	4,468,178	79,186	441,395	401,042	51,400	.....	218,813	.....	100,502
46 1900.	2,922,580	42,610	204,990	300,410	16,190	.....	153,370	.....	90,600
47 Live stock on farms, 1920.	54,008,183	725,000	3,509,438	2,758,191	349,303	229,892	1,319,641	2,211,959	1,058,245
48 1910.	28,781,691	521,180	2,261,330	2,007,334	433,573	.....	842,805	.....	719,709
49 1900.	21,474,241	1,076,976	1,107,185	208,141	.....	.....	885,449	.....	403,308
50 Average values, 1920:	12,130	9,000	10,517	14,896	8,349	15,703	13,881	8,008	7,057
51 All property per farm.	9,490	7,285	13,787	13,025	6,472	8,795	12,127	5,847	4,498
52 Land and buildings per farm.	41.78	47.07	41.55	79.54	36.28	15.35	121.88	26.19	27.57
F FARMS OPERATED BY OWNERS.									
53 Number of farms, 1920.	22,570	319	1,536	2,043	198	30	1,008	1,023	703
54 1910.	19,782	285	1,882	1,756	165	.....	1,205	.....	626
55 1900.	17,363	277	934	1,688	126	.....	839	.....	412
56 Per cent of all farms, 1920.	88.0	85.5	82.6	91.1	84.3	81.1	86.0	82.0	92.6
57 Land in farms, 1920.	4,062,508	39,262	400,826	298,766	28,201	11,405	84,983	204,413	80,802
58 Improved land in farms, 1920.	1,457,096	21,834	173,142	169,233	9,574	3,554	44,932	75,829	37,161
59 Value of land and buildings, 1920.	200,623,839	2,100,920	20,519,311	20,231,414	1,218,045	205,900	12,083,468	6,730,487	3,047,781
60 Degree of ownership, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
61 Farmers owning entire farm.	19,134	288	1,280	1,713	174	28	800	841	625
62 Farmers hiring additional land.	3,445	31	247	330	24	2	202	182	76
63 Color and nativity of owners, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
64 Native white owners.	18,038	291	1,269	1,660	115	25	870	890	672
65 Foreign-born white owners.	3,652	28	258	381	83	5	137	88	131
66 Negro and other nonwhite owners.	239	9	2	9	2	1	1	36	44
F FARMS OPERATED BY MANAGERS.									
67 Number of farms, 1920.	298	3	48	18	4	3	15	9	5
68 1910.	104	2	20	12	1	5	16	.....	3
69 1900.	311	.....	21	16	5	.....	.....	.....	43
70 Land in farms, 1920.	615,734	7,480	90,528	2,493	4,450	6,030	0,956	13,957	4,843
71 Improved land in farms, 1920.	79,844	7,197	18,153	1,670	805	1,110	1,700	3,551	2,855
72 Value of land and buildings, 1920.	9,737,800	233,000	1,551,150	316,200	73,000	90,500	482,600	401,575	85,700
F FARMS OPERATED BY TENANTS.									
73 Number of farms, 1920.	2,787	51	280	181	33	4	149	216	51
74 1910.	1,720	32	125	139	15	2	92	110	38
75 1900.	1,713	24	62	91	13	.....	83	.....	43
76 Per cent of all farms, 1920.	10.9	13.7	15.1	8.1	14.0	10.8	12.7	17.3	6.7
77 Land in farms, 1920.	372,168	5,884	50,905	16,439	3,248	1,230	6,793	33,661	10,023
78 Improved land in farms, 1920.	4,053	4,053	28,362	12,761	1,738	440	8,397	17,317	3,571
79 Value of land and buildings, 1920.	27,390,119	369,275	3,559,005	2,654,380	229,900	29,000	1,647,250	1,095,680	280,860
80 Form of tenancy, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
81 Share tenants.	1,369	30	183	79	14	1	45	86	34
82 Share-cash tenants.	58	2	3	4	.....	.....	5	.....	1
83 Cash tenants.	1,176	9	98	80	19	2	93	107	12
84 Unspecified.	186	10	48	9	.....	1	6	23	4
85 Color and nativity of tenants, 1920:	.....	.....	.....	.....	.....	.....	.....	.....	.....
86 Native white tenants.	2,320	47	199	156	19	4	99	194	44
87 Foreign-born white tenants.	295	4	37	9	14	2	20	20	7
88 Negro and other nonwhite tenants.	172	44	44	10	16	30	30	2	.....

¹ Daggett County organized from part of Uintah County in 1918.² Duchesne County organized from part of Wasatch County in 1915; part of Uintah County annexed to Duchesne County in 1917.

AGRICULTURE—UTAH.

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WITH SELECTED ITEMS FOR 1910 AND 1900.

Garfield.	Grand.	Iron.	Juab.	Kane.	Millard.	Morgan.	Pluto, ³	Rich. ⁴	Salt Lake.	San Juan.	Sanpete.	Sevier. ⁵	
540	114	646	419	229	1,038	239	246	224	2,438	405	1,813	1,108	
409	172	373	507	168	736	242	198	210	2,180	157	1,708	1,059	
237	121	235	356	213	676	299	189	276	2,208	85	1,618	946	
538	111	630	415	227	1,012	234	236	221	2,361	391	1,789	1,085	
2	8	16	4	2	26	5	10	3	77	14	24	23	
515	106	585	342	217	913	212	221	197	1,073	274	1,554	948	
25	7	60	66	12	118	27	23	27	729	28	258	180	
1	1	1	11	7	7	2	2	36	36	103	1	8	
26								3	30	20	14	9	
17	12	14	12	25	1	9	5	4	551	39	68	32	
24	9	34	11	13	20	6	9	9	428	16	126	90	
69	11	92	52	27	194	31	70	17	768	8	428	375	
78	10	88	83	23	242	32	48	25	349	24	439	312	
182	37	110	88	36	267	41	51	37	149	80	309	155	
39	11	71	64	15	120	32	29	27	56	12	155	63	
72	11	122	59	51	131	44	25	41	53	120	144	45	
24	6	57	19	27	39	22	8	30	19	53	78	20	
9	7	56	20	12	15	24	1	31	35	24	54	7	
18												18	
3,349,760	2,862,880	2,083,840	2,176,040	2,697,600	4,199,040	400,640	488,320	659,840	483,840	4,967,040	1,034,240	1,265,020	
113,712	42,556	278,871	103,741	71,851	185,107	117,230	35,083	236,971	317,281	187,730	391,007	113,005	
58,978	62,089	88,027	108,564	24,773	186,627	95,048	25,889	149,509	168,262	48,797	261,771	122,332	
28,300	15,586	25,562	79,317	25,050	108,009	138,028	27,648	160,868	278,030	18,840	188,659	76,207	
33,738	8,191	46,765	49,751	12,309	91,685	15,926	16,730	48,813	92,447	33,401	138,552	66,900	
19,109	6,470	17,934	53,466	8,685	54,540	11,691	16,964	81,779	121,221	6,698	105,807	55,338	
13,652	4,748	7,746	26,351	6,214	39,153	11,368	12,349	48,053	74,042	4,360	91,971	47,315	
6,606	5,291	15,040	3,659	429	1,502	1,754	339	70	24,918	18,580	12,154	2,808	
73,468	28,174	210,866	52,331	59,113	92,010	99,550	18,024	188,088	139,921	116,668	240,301	43,237	
3.4	1.8	18.4	4.9	2.7	4.4	29.3	7.2	35.9	65.6	3.4	37.8	8.9	
20.7	19.2	16.8	47.0	17.1	49.5	13.6	47.7	20.6	29.1	20.0	35.4	59.3	
210.6	374.2	431.4	252.4	313.8	400.5	142.7	1,057.9	130.1	414.2	215.7	102.0	30	
62.5	71.9	72.4	118.7	53.8	88.3	66.6	68.0	217.9	87.9	82.7	76.4	60.4	
32												31	
5,485,305	2,416,005	8,724,090	4,393,778	8,149,130	11,651,908	3,147,880	2,352,533	5,525,593	30,623,040	5,390,801	22,472,955	15,283,097	32
1,974,548	2,211,892	2,535,863	8,191,717	1,785,123	7,765,309	1,880,009	1,037,658	2,701,429	17,835,174	1,606,851	8,812,872	6,071,087	33
919,604	715,650	611,606	1,591,969	2,534,144	914,550	559,275	2,392,363	11,111,684	518,716	6,624,738	2,607,218	34	
2,711,206	1,090,445	5,383,594	3,142,818	1,017,813	8,505,441	2,074,861	1,471,963	3,236,221	22,043,189	3,085,300	14,874,374	10,543,131	35
711,925	1,143,415	1,170,555	2,057,085	283,710	1,177,998	2,083,912	608,255	1,393,967	13,200,759	536,203	5,211,758	3,990,110	36
255,850	278,250	220,840	806,180	223,000	1,364,010	493,380	241,428	877,730	6,787,270	78,390	8,010,100	1,257,860	37
308,376	193,600	527,490	355,100	153,736	928,856	428,725	206,901	393,950	4,472,006	481,715	1,618,910	1,210,745	38
172,460	141,060	66,055	194,890	134,955	540,098	279,285	114,155	220,505	120,378	996,757	523,885	39	
122,310	46,140	102,000	153,980	134,990	344,380	140,680	67,840	146,820	1,709,810	27,940	807,970	398,350	40
174,420	92,994	288,886	190,214	110,777	642,430	156,052	129,633	223,310	1,079,914	234,223	927,206	791,383	41
53,728	59,610	78,375	125,456	32,665	192,882	59,770	48,475	89,645	325,621	37,975	289,954	227,974	42
33,930	18,810	26,520	75,540	30,100	110,720	35,720	31,850	65,930	318,540	12,140	218,340	112,120	39
2,231,303	1,038,906	2,524,120	696,641	1,866,804	1,675,181	488,242	544,036	1,072,112	3,027,032	1,559,023	5,052,466	2,734,838	44
1,036,435	867,607	1,213,081	814,286	720,893	948,417	362,956	267,073	997,312	912,295	2,314,403	1,323,718	1,323,718	45
507,014	371,159	250,246	556,310	318,677	715,054	244,776	218,105	1,271,883	2,298,064	400,246	2,528,328	832,888	46
10,158	21,193	13,505	10,486	13,752	11,225	13,171	9,563	24,668	12,561	13,311	12,395	13,763	47
5,703	11,264	9,150	8,348	5,116	6,089	10,475	8,825	16,266	10,876	8,867	9,097	10,608	48
23,84	25,56	19,32	29.72	14.17	45.93	17.70	41.94	13.66	69.48	18.30	38.04	93.30	49
32													
481	94	594	393	225	919	168	231	200	2,004	390	1,650	1,000	50
353	156	333	495	164	670	213	174	198	1,876	151	1,628	987	51
238	105	205	314	205	632	258	166	233	1,828	78	1,433	879	52
89.1	82.5	92.0	93.8	98.3	88.5	80.8	93.9	89.3	82.2	66.3	91.0	90.3	53
102,070	19,682	245,778	94,052	87,292	164,531	99,615	32,896	111,873	282,444	158,301	345,834	103,138	54
29,236	5,802	42,975	46,239	12,089	79,598	13,356	15,689	37,876	74,378	31,345	119,601	59,749	55
2,652,300	823,965	5,394,002	3,179,118	1,136,159	7,823,931	2,092,593	1,556,704	2,719,380	20,719,285	3,276,415	14,617,820	10,650,761	56
420	91	510	350	199	768	143	207	178	1,653	370	1,369	871	57
52	3	84	48	26	161	50	24	22	351	20	281	120	58
457	88	534	317	213	804	188	207	173	1,366	201	1,397	845	59
24	6	59	65	12	113	25	22	27	633	20	252	155	60
457	1	1	1	11	2	2	2	5	5	103	1	61	61
15	8	2	4	15	7	3	8	4	30	4	12	4	62
11	3	3	3	5	5	4	4	27	7	3	2	5	63
5	13	3	4	12	12	12	21	41	7	30	30	17	64
4,325	20,997	15,125	1,386	7,626	10,155	1,015	120,161	10,358	1,855	18,719	357	65	
1,746	1,187	1,125	626	3,384	452	450	8,545	3,740	423	3,826	307	66	
132,342	302,780	78,000	65,600	646,000	100,100	50,500	717,471	599,652	64,200	334,400	50,100	67	
44	12	50	22	4	108	39	12	16	404	11	151	104	68
56	5	37	9	2	61	24	24	17	277	3	78	67	69
4	11	17	39	4	37	29	22	339	5	155	50	70	
8.1	10.5	7.7	5.3	1.7	10.4	16.3	4.9	7.1	16.6	2.7	8.3	9.4	71
7,308	1,997	17,778	10,303	4,559	13,040	7,460	1,182	4,037	24,479	7,583	26,454	9,510	72
2,756	1,202	2,055	2,886	220	8,705	2,118	591	2,392	14,334	1,723	15,125	6,904	73
294,880	157,300	430,022	253,200	35,390	964,300	310,888	71,660	193,320	5,197,207	226,400	1,541,064	1,044,015	74
35	8	45	18	3	66	23	10	7	147	10	96	55	75
1	4	4	1	1	27	10	2	8	7	1	3	1	76
4	4	1	3	7	5	5	1	1	247	41	40	77	
48	11	49	21	4	98	37	11	16	282	10	146	99	79
1	1	1	1	1	5	2	1	1	91	5	5	50	80
48	11	49	21	4	98	37	11	16	282	10	146	99	81

*Part of Plute County annexed to Sevier County in 1902.

† Part of Summit County annexed to Rich County in 1917.

AGRICULTURE—UTAH.

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920, WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

		Summit. ¹	Tooele.	Uintah. ¹	Utah.	Wasatch. ¹	Washington.	Wayne.	Weber.	Indian res.
ALL FARMS.										
1	Number of farms, 1920.....	521	417	899	3,237	507	738	272	1,687	.....
2	1910.....	447	320	675	2,873	964	598	246	1,535	.....
3	1900.....	608	487	559	2,760	492	477	271	1,470	142
4	All farmers classified by sex, 1920:									
5	Male.....number.	505	396	860	3,145	499	731	288	1,636	.....
6	Female.....number.	16	21	39	92	8	7	4	51	.....
7	Color and nativity of all farmers, 1920:									
8	Native white.....number.	438	319	756	2,753	457	691	253	1,304	.....
9	Foreign-born white.....number.	82	97	88	478	50	39	19	343	.....
10	Negro and other nonwhite.....number.	1	1	55	6	.....	8	.....	40	.....
11	All farms classified by size, 1920:									
12	Under 3 acres.....number.	1	4	42	.....	.....	16	2	22	.....
13	3 to 9 acres.....number.	18	34	68	388	22	60	2	180	.....
14	10 to 19 acres.....number.	30	24	59	529	41	87	7	233	.....
15	20 to 49 acres.....number.	87	45	239	1,145	129	168	65	590	.....
16	50 to 99 acres.....number.	120	49	199	552	127	91	72	384	.....
17	100 to 174 acres.....number.	91	89	200	280	63	115	73	184	.....
18	175 to 259 acres.....number.	53	52	62	118	32	65	23	43	.....
19	260 to 499 acres.....number.	56	60	61	100	43	102	23	51	.....
20	500 to 999 acres.....number.	19	35	10	51	15	22	4	25	.....
21	1,000 acres and over.....number.	37	29	7	34	35	12	1	15	.....
LAND AND FARM AREA.										
22	Approximate land area, 1920.....acres.	1,196,800	4,383,360	2,748,160	1,301,760	746,880	1,577,600	1,584,000	346,240	.....
23	Land in farms, 1920.....acres.	271,778	193,375	126,151	318,133	150,536	127,899	33,551	259,566	.....
24	1910.....acres.	261,056	88,232	82,072	234,717	154,083	50,273	31,617	148,359	.....
25	1900.....acres.	289,051	116,016	340,826	223,836	93,480	21,886	20,354	180,632	426,070
26	Improved land in farms, 1920.....acres.	88,807	40,570	54,407	135,996	25,132	29,023	14,293	66,855	.....
27	1910.....acres.	82,645	34,239	35,748	124,496	43,220	13,632	11,538	59,781	.....
28	1900.....acres.	35,298	27,057	24,089	100,170	21,947	10,866	12,202	48,208	4,881
29	Woodland in farms, 1920.....acres.	28,266	1,871	5,657	7,043	5,009	2,513	464	12,924	.....
30	Other unimproved land in farms, 1920.....acres.	206,705	111,934	66,037	175,094	120,395	96,363	18,704	170,787	.....
31	Per cent of land area in farms, 1920.....	22.7	3.7	4.6	24.4	20.2	8.1	2.1	75.0	.....
32	Per cent of farm land improved, 1920.....	14.3	30.3	43.1	42.7	16.7	22.7	42.6	25.8	.....
33	Average acreage per farm, 1920.....	521.8	391.8	140.3	98.3	296.9	173.3	128.3	163.9	.....
34	Average improved acreage per farm, 1920.....	74.5	118.9	60.5	42.0	49.6	39.3	52.5	30.6	.....
VALUE OF FARM PROPERTY.										
35	All farm property, 1920.....dollars.	8,810,454	5,605,555	8,890,769	32,060,922	6,051,643	6,305,789	2,692,550	20,491,155	.....
36	1910.....dollars.	3,464,892	3,443,133	3,615,247	18,893,600	4,815,701	2,054,351	1,102,077	10,365,846	.....
37	1900.....dollars.	2,592,580	2,149,982	2,044,355	8,888,009	1,628,106	1,088,900	641,470	5,231,094	903,230
38	Land in farms, 1920.....dollars.	4,500,919	3,502,173	4,580,234	23,025,792	3,577,131	3,477,411	1,105,310	14,043,015	.....
39	1910.....dollars.	2,013,134	2,190,300	2,124,558	13,677,365	2,752,395	924,460	408,038	7,409,995	.....
40	1900.....dollars.	1,148,070	944,670	901,900	5,111,280	687,820	495,710	210,400	3,208,580	.....
41	Farm buildings, 1920.....dollars.	685,400	618,320	875,798	3,773,922	592,220	664,740	268,135	3,032,802	.....
42	1910.....dollars.	453,071	558,732	408,014	2,281,785	492,125	238,045	127,095	1,582,901	.....
43	1900.....dollars.	318,100	203,710	250,110	1,455,700	279,300	256,150	70,080	870,880	34,920
44	Implements and machinery, 1920.....dollars.	283,128	251,338	349,238	1,390,782	243,657	267,186	126,437	879,676	.....
45	1910.....dollars.	104,572	92,563	169,229	547,568	168,538	89,884	41,695	280,825	.....
46	1900.....dollars.	90,880	77,720	92,100	351,140	60,970	73,100	34,310	190,290	10,010
47	Live stock on farms, 1920.....dollars.	1,941,007	1,233,724	3,085,499	3,876,356	1,688,635	1,896,462	1,097,674	1,935,903	.....
48	1910.....dollars.	601,532	613,446	813,446	2,386,861	801,962	801,962	525,264	990,365	.....
49	1900.....dollars.	1,034,630	833,802	800,245	1,969,889	596,926	263,940	226,689	940,344	314,050
50	Average values, 1920:									
51	All property per farm.....dollars.	13,072	13,443	9,890	9,906	11,036	8,544	9,531	12,147	.....
52	Land and buildings per farm.....dollars.	9,955	9,881	6,069	8,279	8,224	5,613	5,031	10,478	.....
53	Land alone per acre.....dollars.	16.56	21.44	36.31	72.38	23.76	27.19	32.94	50.41	.....
FARMS OPERATED BY OWNERS.										
54	Number of farms, 1920.....	452	370	729	2,894	462	698	259	1,481	.....
55	1910.....	407	289	601	2,041	890	583	233	1,312	.....
56	1900.....	545	436	507	2,487	436	459	232	1,288	133
57	Percent of all farms, 1920.....	86.8	88.7	81.1	89.4	91.1	94.6	95.2	87.8	.....
58	Land in farms, 1920.....acres.	155,401	103,490	77,883	295,781	137,692	122,067	32,099	152,948	.....
59	Improved land in farms, 1920.....acres.	31,570	40,999	39,724	121,532	22,011	27,289	13,091	57,095	.....
60	Value of land and buildings, 1920.....dollars.	4,163,402	2,983,420	4,130,017	23,857,304	3,618,001	3,942,061	1,283,345	14,832,465	.....
61	Degree of ownership, 1920:									
62	Farmers owning entire farm.....number.	392	318	676	2,353	380	629	240	1,245	.....
63	Farmers hiring additional land.....number.	60	52	54	541	82	69	19	280	.....
64	Color and nativity of owners, 1920:									
65	Native white owners.....number.	372	282	599	2,433	413	651	241	1,160	.....
66	Foreign-born white owners.....number.	80	88	81	461	49	39	18	306	.....
67	Negro and other nonwhite owners.....number.			49			8		9	.....
FARMS OPERATED BY MANAGERS.										
68	Number of farms, 1920.....	19	9	16	17	3	0	2	13	.....
69	1910.....	14	5	2	27	2	1	2	20	.....
70	1900.....	19	18	7	22	4	4	2	13	.....
71	Percent of all farms, 1920.....	9.6	9.1	17.1	10.1	8.3	4.2	4.0	11.4	7
72	Land in farms, 1920.....acres.	8,014	16,103	20,172	19,670	10,124	2,498	1,238	28,801	.....
73	Improved land in farms, 1920.....acres.	2,741	5,847	12,134	12,476	2,091	1,107	562	6,622	.....
74	Value of land and buildings, 1920.....dollars.	350,065	507,640	906,795	2,558,980	391,360	159,675	66,600	1,865,052	.....
75	Form of tenancy, 1920:									
76	Share tenants.....number.	25	21	87	170	27	21	10	68	.....
77	Share-cash tenants.....number.	2			13		2		2	.....
78	Cash tenants.....number.	18	10	51	135	11	8	1	124	4
79	Unspecified.....number.	5	7	16	8	4				
80	Color and nativity of tenants, 1920:									
81	Native white tenants.....number.	48	30	141	303	41	31	10	127	.....
82	Foreign-born white tenants.....number.	1	8	7	17	1	1	1	35	.....
83	Negro and other nonwhite tenants.....number.	1		6	6				31	.....

¹ Part of Summit County annexed to Rich County in 1917; parts of Uintah County annexed to Duchesne and Summit Counties in 1917; part of Uintah County taken to form Daggett County in 1918.

² Part of Wasatch County taken to form Duchesne County in 1915.

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COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES, 1920; AND LIVE-STOCK PRODUCTS, 1919.

	THE STATE.	Beaver.	Box Elder.	Cache.	Carbon.	Daggett.	Davis.	Duchesne.	Emery.
DOMESTIC ANIMALS: 1920.									
1 Farms reporting domestic animals.....	24,463	331	1,766	2,153	221	37	1,127	1,181	739
2 Value of all domestic animals.....	52,073,251	714,882	3,444,341	2,691,183	324,706	228,493	1,282,551	2,129,592	1,600,681
3 Horses:									
4 Total number.....	125,471	1,237	13,996	10,738	860	462	4,389	7,387	4,860
5 Colts under 1 year of age.....	12,989	151	1,445	1,104	87	67	342	925	685
6 Colts 1 year old and under 2 years.....	12,573	126	1,520	1,089	82	58	405	841	602
7 Mares 2 years old and over.....	51,841	469	5,822	4,666	348	182	1,848	3,154	2,127
8 Geldings 2 years old and over.....	47,043	481	5,977	3,861	336	143	1,775	2,359	1,407
9 Stallions 2 years old and over.....	1,025	10	132	48	9	12	19	88	48
9 Total value.....	9,642,418	80,645	1,016,889	964,540	71,521	22,794	382,067	520,809	279,587
10 Mules:									
11 Total number.....	2,793	47	304	88	17	12	39	147	199
12 Mule colts under 1 year of age.....	570	7	93	23	8	11	29	69	69
13 Mule colts 1 year old and under 2 years.....	483	15	60	16	1	1	27	31	31
14 Mules 2 years old and over.....	1,740	25	151	49	16	9	27	91	99
14 Total value.....	190,211	2,280	21,934	7,870	1,563	495	3,160	12,854	10,887
15 Asses and burros:									
16 Total number.....	609	3	23	2	6	6	29	37	37
16 Total value.....	26,243	40	1,845	40	40	1,046	4,775	2,641	
17 Cattle:									
18 Total number.....	505,578	9,601	35,445	22,680	2,289	2,066	9,493	24,910	21,381
18 Total value.....	22,627,870	388,925	1,521,796	1,357,558	120,340	127,497	431,217	1,053,179	913,240
19 Beef cattle:									
20 Total number.....	397,503	8,711	26,538	8,070	1,220	2,003	3,566	19,955	10,071
21 Calves under 1 year of age.....	94,328	2,059	5,991	1,120	209	546	668	5,120	5,034
22 Heifers 1 year old and under 2 years.....	53,825	1,373	3,205	1,040	199	275	745	2,815	2,541
23 Cows and heifers 2 years old and over.....	176,128	4,020	9,986	3,055	585	854	857	8,110	9,931
24 Steers 1 year old and under 2 years.....	41,917	629	2,907	1,531	101	180	520	2,307	903
25 Steers 2 years old and over.....	24,557	462	4,094	1,231	18	88	702	689	222
26 Bulls 1 year old and over.....	7,608	168	355	93	18	60	65	464	440
26 Total value.....	16,806,429	388,073	1,083,692	453,964	52,714	124,794	157,838	821,575	791,944
27 Dairy cattle:									
28 Total number.....	108,015	890	8,907	14,610	1,019	63	5,927	4,955	2,310
29 Calves under 1 year of age.....	25,794	204	3,206	3,178	240	25	1,259	1,418	468
30 Heifers 1 year old and under 2 years.....	14,077	88	1,119	2,054	210	7	863	842	280
31 Cows and heifers 2 years old and over.....	66,724	585	4,476	0,178	551	31	3,604	2,810	1,642
32 Bulls 1 year old and over.....	1,420	13	106	200	18	111	86	25	25
32 Total value.....	5,821,441	50,832	438,104	903,594	67,626	2,703	323,381	231,604	121,296
33 Sheep:									
34 Total number.....	1,691,705	22,046	55,335	25,904	10,549	8,200	34,053	38,018	35,349
35 Lambs under 1 year of age.....	407,622	5,149	10,954	5,828	1,808	2,222	4,755	10,764	12,607
36 Ewes 1 year old and over.....	1,231,341	10,080	42,827	19,183	8,250	5,940	28,441	25,850	22,274
37 Rams 1 year old and over.....	25,162	214	958	460	196	104	998	566	334
38 Wethers 1 year old and over.....	27,670	603	596	483	294	3	159	888	184
38 Total value.....	18,881,529	223,885	753,075	268,582	115,323	72,900	334,221	455,230	348,087
39 Goats:									
40 Total number.....	29,512	30	17	3	981	14	1,546	99	
40 Total value.....	253,100	150	193	15	8,058	93	26,525	630	
41 Swine:									
42 Total number.....	99,361	1,810	8,750	5,703	800	397	6,380	5,178	4,252
43 Pigs under 6 months old.....	61,224	1,051	4,076	2,620	402	201	2,841	2,336	2,447
44 Sows and gilts for breeding, 6 months old and over.....	13,170	211	1,363	475	130	87	857	963	540
45 Boars for breeding, 6 months old and over.....	1,184	19	91	51	38	3	59	90	52
46 All other hogs, 6 months old and over.....	33,783	529	3,221	2,557	226	106	2,632	1,299	1,213
46 Total value.....	1,351,880	18,957	129,129	92,618	12,861	4,747	80,747	50,720	46,159
POULTRY AND BEES: 1920.									
47 Chickens.....	954,695	8,809	71,743	81,359	7,313	1,395	40,434	28,691	34,356
48 Other poultry.....	25,402	365	1,616	390	350	122	703	3,408	737
49 Value of all poultry.....	814,568	6,066	58,782	61,024	8,022	1,339	34,207	27,140	28,721
50 Bees.....	25,061	463	951	783	1,059	.....	451	4,827	2,702
51 Total value.....	220,366	4,052	5,815	5,984	16,575	.....	2,783	55,227	28,843
LIVE-STOCK PRODUCTS: 1919.									
52 Dairy products:									
53 Milk produced (as reported).....	25,602,493	427,465	1,579,194	4,816,337	149,295	28,655	1,655,212	1,082,703	438,776
54 Milk sold.....	8,051,187	12,670	206,494	3,794,240	60,517	105	997,863	28,992	10,001
55 Cream sold.....	291,659	0,381	27,244	5,006	615	.....	2,736	6,321	1,709
56 Butter fat sold.....	1,049,559	50,888	115,808	150,280	200	14,084	72,856	10,568	
57 Butter made on farms.....	2,876,676	68,249	239,442	39,265	10,400	7,030	150,395	174,489	123,039
58 Butter sold.....	1,040,581	27,482	79,612	13,785	5,841	1,515	54,667	52,909	57,098
59 Cheese made on farms.....	73,606	250	2,005	6,430	640	290	0,170	36	
60 Value of dairy products.....	4,809,087	70,107	290,830	1,056,466	44,366	4,151	347,250	137,937	65,478
61 Receipts from sale of dairy products.....	3,819,691	50,885	192,863	1,043,428	34,084	929	206,500	72,637	88,188
61 Average production of milk per dairy cow.....	403	608	377	555	344	313	456	298	290
62 Eggs and chickens:									
63 Eggs produced (as reported).....	5,350,060	40,411	357,593	470,123	30,852	5,734	106,203	191,310	100,839
64 Eggs sold.....	8,059,845	12,030	208,924	286,119	8,990	794	93,505	64,772	124,166
64 Chickens raised (as reported).....	771,773	4,161	53,383	40,696	6,594	1,278	49,669	33,788	28,142
65 Chickens sold.....	275,660	899	19,297	10,919	3,107	493	15,104	10,775	13,348
66 Value of chickens and eggs produced.....	2,523,979	18,185	155,052	210,308	23,640	3,600	140,667	84,309	89,627
67 Receipts from sale of chickens and eggs.....	1,326,704	5,220	83,954	115,997	6,505	575	56,188	27,843	54,212
68 Honey and wax:									
69 Honey produced.....	1,232,289	9,072	26,556	18,687	31,958	.....	12,960	415,358	135,237
70 Wax produced.....	18,933	237	300	873	416	.....	275	5,704	2,143
70 Value of honey and wax.....	251,747	1,880	5,412	3,925	6,508	.....	2,030	84,669	27,047
71 Wool:									
72 Sheep shorn.....	1,488,749	23,462	52,883	23,294	11,827	6,888	20,712	32,753	18,099
72 Wool produced (as reported).....	11,163,888	172,166	401,616	175,742	88,380	65,850	176,204	274,508	158,215
72 Value.....	5,518,156	86,698	203,468	85,783	45,667	32,961	79,820	127,088	78,928

1 Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920.

1 Inclosures reporting domestic animals.....	10,722	319	531	1,117	294	19	299	255	150
2 Horses, total number.....	18,097	698	607	909	551	105	302	610	308
3 Mules, total number.....	305	9	10	10	4	.....	22	17	9
4 Asses and burros, total number.....	31	.....	1	.....	1	1	1	2	.....
5 Cattle, total number.....	26,448	1,719	1,121	3,450	307	86	676	1,333	486
6 Dairy cows.....	12,197	799	596	1,496	21	359	278	180	
7 Sheep, total number.....	11,110	181	892	839	153	.....	496	128	83
8 Goats, total number.....	814	1	10	3	27	.....	.....	5	605
9 Swine, total number.....	14,203	1,252	420	904	311	28	2,062	289	237

AGRICULTURE—UTAH.

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES

		Garfield.	Grand.	Iron.	Juab.	Kane.	Millard.	Morgan.	Plute.	Rich.
DOMESTIC ANIMALS: 1920.										
1	Farms reporting domestic animals.....	511	111	613	408	223	1,011	237	235	219
2	Value of all domestic animals.....	2,221,232	1,034,493	2,509,425	679,437	1,862,632	1,040,941	477,437	536,609	1,664,633
Horses:										
3	Total number.....	2,856	1,115	2,678	2,169	1,430	5,223	1,484	1,283	2,800
4	Colts under 1 year of age.....	319	120	239	239	196	541	174	131	351
5	Colts 1 year old and under 2 years.....	277	127	261	246	111	447	163	156	824
6	Mares 2 years old and over.....	1,159	427	1,025	951	483	2,165	672	579	1,210
7	Geldings 2 years old and over.....	1,076	425	1,126	691	630	2,027	408	402	866
8	Stallions 2 years old and over.....	25	16	22	12	16	43	7	15	49
9	Total value.....	174,071	85,576	207,635	166,189	109,988	429,302	106,098	93,376	155,405
Mules:										
10	Total number.....	117	132	42	27	68	209	4	12	40
11	Mule colts under 1 year of age.....	4	11	2	1	3	80	-----	1	3
12	Mule colts 1 year old and under 2 years.....	11	21	-----	8	6	66	-----	3	7
13	Mules 2 years old and over.....	102	100	40	18	59	153	4	8	38
14	Total value.....	7,407	10,775	8,300	2,850	4,730	22,228	115	650	2,072
Asses and burros:										
15	Total number.....	15	19	2	-----	6	17	-----	4	3
16	Total value.....	217	392	10	-----	60	4,080	-----	20	475
Cattle:										
17	Total number.....	23,449	14,150	14,682	8,552	14,300	21,912	7,521	7,863	25,004
18	Total value.....	1,037,461	678,814	686,921	328,933	630,961	898,261	330,900	329,567	1,163,015
Beef cattle—										
19	Total number.....	21,078	13,568	12,265	6,723	13,450	18,301	6,285	6,319	24,073
20	Calves under 1 year of age.....	4,484	3,799	2,802	1,656	2,938	4,562	2,020	1,601	6,047
21	Heifers 1 year old and under 2 years.....	2,690	1,495	2,233	1,000	1,825	2,401	745	1,080	3,010
22	Cows and heifers 2 years old and over.....	10,837	7,346	5,411	2,692	6,280	9,217	1,882	2,869	10,052
23	Steers 1 year old and under 2 years.....	2,153	404	346	833	1,063	1,003	817	586	3,434
24	Steers 2 years old and over.....	416	198	623	353	1,359	752	715	60	1,211
25	Bulls 1 year old and over.....	542	320	301	99	265	363	103	143	588
26	Total value.....	937,637	642,382	475,636	255,635	500,101	708,580	258,034	202,070	1,120,187
Dairy cattle—										
27	Total number.....	2,371	582	2,417	1,820	820	3,521	1,230	1,544	526
28	Calves under 1 year of age.....	631	102	705	922	196	841	159	426	184
29	Heifers 1 year old and under 2 years.....	315	113	268	139	113	420	95	209	65
30	Cows and heifers 2 years old and over.....	1,368	302	1,411	758	499	2,209	977	877	371
31	Bulls 1 year old and over.....	57	5	43	10	12	42	5	32	13
32	Total value.....	99,824	36,432	111,235	74,248	40,860	180,701	72,266	66,697	37,828
Sheep:										
33	Total number.....	104,678	19,514	171,805	13,762	98,350	20,845	1,035	9,704	20,213
34	Lambs under 1 year of age.....	28,789	6,742	39,100	4,914	34,363	6,005	377	2,451	6,468
35	Ewes 1 year old and over.....	68,012	12,402	127,231	8,601	59,280	14,144	614	6,918	21,785
36	Rams 1 year old and over.....	1,286	319	2,737	150	1,412	288	21	195	513
37	Wethers 1 year old and over.....	5,601	51	2,737	37	3,295	408	23	140	443
38	Total value.....	983,104	243,818	1,680,780	165,080	951,197	214,144	8,534	98,508	327,429
Goats:										
39	Total number.....	121	7	723	21	17,498	47	1	42	-----
40	Total value.....	1,087	41	4,546	215	159,878	443	5	207	-----
Swine:										
41	Total number.....	1,865	1,222	2,303	1,077	451	5,471	1,084	1,572	1,260
42	Pigs under 6 months old.....	970	679	1,435	617	387	2,478	946	894	523
43	Sows and gilts for breeding, 6 months old and over.....	181	254	314	190	40	649	173	168	144
44	Boars for breeding, 6 months old and over.....	15	24	33	13	4	40	9	10	13
45	All other hogs, 6 months old and over.....	749	265	521	257	70	2,304	850	510	568
46	Total value.....	17,885	15,077	26,233	16,170	5,808	72,423	31,185	14,121	20,517
POULTRY AND BEES: 1920.										
47	Chickens.....	11,047	4,043	15,422	-13,909	5,232	37,901	12,390	8,335	8,495
48	Other poultry.....	431	208	483	534	64	1,894	124	443	317
49	Value of all poultry.....	9,220	4,218	9,573	10,567	8,251	32,059	10,785	6,381	8,079
50	Bees.....	122	51	524	588	116	401	2	220	-----
51	Total value.....	851	265	5,122	6,037	931	2,181	20	1,166	-----
LIVE-STOCK PRODUCTS: 1919.										
Dairy products:										
52	Milk produced (as reported).....	303,066	98,795	510,994	256,332	175,568	910,378	348,722	305,744	340,629
53	Milk sold.....	6,243	11,230	8,811	5,117	3,887	129,280	211,987	5,227	186,600
54	Cream sold.....	404	115	6,081	4,456	3	16,442	585	191	1,648
55	Butter fat sold.....	2,033	2,083	2,083	2,393	60	24,422	24,842	23,041	200
56	Butter made on farms.....	49,204	15,171	98,453	42,404	28,000	99,797	30,941	44,321	19,435
57	Butter sold.....	18,447	5,397	36,369	9,449	6,407	20,270	12,148	10,610	10,743
58	Cheese made on farms.....	3,248	13,488	-----	-----	2,417	200	220	3,605	-----
59	Value of dairy products.....	28,137	13,002	66,243	40,925	18,580	115,021	62,051	38,120	50,972
60	Receipts from sale of dairy products.....	11,136	7,381	30,855	23,120	5,067	79,575	52,248	22,478	46,079
61	Average production of milk per dairy cow.....	245	354	275	313	279	451	380	300	307
Eggs and chickens:										
62	Eggs produced (as reported).....	66,809	30,383	57,854	66,503	18,751	220,480	70,806	44,606	49,273
63	Eggs sold.....	21,506	10,302	19,767	38,073	3,359	108,331	47,822	23,414	25,571
64	Chickens raised (as reported).....	6,871	5,061	8,583	8,591	3,674	24,226	9,308	5,205	6,404
65	Chickens sold.....	802	923	1,436	2,447	449	7,700	2,961	1,206	4,433
66	Value of chickens and eggs produced.....	27,820	17,518	23,803	31,303	10,089	93,042	84,090	20,423	21,325
67	Receipts from sale of chickens and eggs.....	7,840	5,189	7,216	15,431	1,722	43,162	18,073	9,221	11,931
Honey and wax:										
68	Honey produced.....	10,682	2,302	30,299	73,900	3,526	13,505	40	7,570	-----
69	Wax produced.....	170	6	202	820	45	183	2	112	-----
70	Value of honey and wax.....	2,185	462	6,133	15,028	718	2,752	9	1,546	-----
Wool:										
71	Sheep shorn.....	86,260	3,783	154,544	12,475	79,154	19,307	722	6,080	20,118
72	Wool produced (as reported).....	589,226	26,599	1,174,489	103,722	547,284	150,555	6,601	44,310	207,053
73	Value.....	265,175	13,681	574,096	49,388	301,969	74,864	3,135	21,518	101,181

1 Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1	Inclosures reporting domestic animals.....	264	92	221	271	102	267	54	99	18
2	Horses, total number.....	505	111	185	204	90	439	41	190	62
3	Mules, total number.....	8	8	2	34	1	17	-----	2	-----
4	Asses and burros, total number.....	3	1	1	1	-----	-----	-----	-----	-----
5	Cattle, total number.....	1,092	159	308	323	217	2,165	253	126	57
6	Dairy cows.....	452	94	232	212	127	316	17	72	32
7	Sheep, total number.....	1,187	6	192	88	13	967	1	3	7
8	Goats, total number.....	490	234	197						

AGRICULTURE—UTAH.

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1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Salt Lake.	San Juan.	Sanpeto.	Sovier.	Summit.	Tooele.	Uintah.	Utah.	Wasatch.	Washington.	Wayne.	Weber.	
2,238 2,901,837	387 1,581,637	1,724 4,092,560	1,076 2,695,046	512 1,324,948	399 1,216,672	873 3,050,580	3,034 3,727,955	492 1,626,318	722 1,879,005	272 1,091,134	1,611 1,852,562	1 2
7,048 560 459	5,628 651 673	7,920 722 587	5,448 565 585	2,680 320 206	2,603 304 299	4,834 624 535	10,397 888 818	2,284 243 262	3,769 313 297	1,824 241 211	6,070 412 496	3 4 5
2,620 3,362 38	2,245 1,927 182	3,265 3,027 28	2,427 1,894 27	1,131 920 13	975 986 47	1,842 1,786 26	4,412 4,253 11	944 824 42	1,345 1,772 22	789 561 29	2,552 2,581 8	6 7 8
607,266	329,311	647,817	478,907	175,546	155,403	342,966	943,662	194,780	306,797	114,265	472,070	9
34	235	156	44	17	110	133	89	10	209	96	57	10
28	42	6	1	50	9	40	3	44	5	2	11	
3	34	27	11	1	19	12	3	52	42	6	12	
31	178	87	27	15	50	112	46	7	113	49	49	13
2,265	17,424	11,395	2,380	800	6,487	10,576	5,246	630	7,737	4,510	6,161	14
3	288	12	1	4	80	27	26	5	2	15	15	
15	2,530	1,800	60	40	2,360	2,872	2,872	295	157	415	16	
14,746 844,021	15,764 800,164	29,560 1,252,821	28,048 1,254,201	10,200 697,426	9,891 385,441	25,644 1,108,537	34,555 1,540,194	13,570 578,515	24,786 1,033,115	11,362 477,521	14,095 701,409	17 18
4,668 830 651 1,903 451 750 73	14,067 2,169 1,885 8,142 2,246 175 350	23,283 5,897 3,438 10,530 2,218 1,888 404	24,761 5,955 3,596 9,787 1,866 653 212	12,394 3,700 1,896 4,102 4,102 9,185 199	8,470 2,100 1,143 9,561 544 2,609 473	22,945 5,600 2,986 9,185 2,938 1,524 290	22,793 5,516 3,343 4,221 1,407 525 165	11,313 3,112 1,766 11,438 1,407 825 201	21,257 5,308 1,059 1,620 820 819 201	10,787 2,204 1,402 5,850 1,605 1,441 88	7,034 1,402 860 22 825 1,441 308	19 20 21 22 23 24 18
205,371	751,084	v17,888	1,065,396	488,389	319,733	988,213	897,030	449,611	893,100	440,651	308,610	26
10,088 2,015 1,512 6,436 126 639,550	797 214 1,279 100 403 11	6,286 1,779 708 488 2,406 95	3,887 613 677 308 2,501 35	3,800 1,421 289 194 2,790 31	2,899 1,257 791 817 923 15	11,762 2,326 348 1,683 225 46	2,257 326 348 2,256 20 144	2,829 348 239 1,664 20 32	505 108 106 1,241 375 6	7,961 1,740 1,241 4,890 90 90	27 28 29 30 31 31	
639,550	57,230	334,033	188,906	214,037	65,708	120,824	643,114	128,904	140,015	27,870	392,709	32
111,464 23,517 84,270 1,972 1,690 1,330,135	44,000 11,330 20,449 694 2,587 388,357	239,960 55,692 179,817 44,683 1,462 1,690	71,567 25,087 44,683 1,165 632 2,983	36,323 9,284 28,975 51,747 81 431	60,546 13,377 86,387 81 651 361	119,396 30,093 73,916 997 735 1,361	93,888 17,614 73,916 898 1,361 1,093,966	68,728 4,312 63,490 647 1,361 829,297	44,811 10,446 28,927 701 2,007 482,085	45,541 10,446 34,234 701 160 451,114	51,082 10,063 40,645 507 27 563,929	33 34 35 36 37 38
40	2,850	48	6	30	1,070	206	7	1	2,058	2,021	27	39
299	11,872	256	35	222	10,488	1,372	43	12	11,388	19,961	117	40
7,097 3,913 1,286 98 1,800 116,936	1,341 682 270 60 320 22,870	5,413 2,904 2,473 111 1,720 85,060	5,531 2,473 875 30 2,153 71,815	1,437 871 160 9 407 19,401	1,495 694 108 31 581 20,987	2,539 1,523 540 31 439 26,580	9,501 5,158 1,006 115 8,227 142,002	1,631 898 1,176 19 543 23,078	2,742 1,541 1,322 25 913 37,638	2,431 1,541 288 80 796 23,606	7,720 3,901 747 80 8,001 107,551	41 42 43 44 45 46
115,020 2,294 118,792 1,189 6,403	7,800 281 7,294 82 792	70,926 2,426 58,493 1,312 13,404	41,185 1,550 30,302 1,613 9,480	18,627 510 15,946 22 118	17,652 734 16,850 31 202	20,987 1,650 16,749 1,317 18,170	146,820 1,898 133,217 2,198 15,154	16,171 180 10,653 226 1,664	10,959 456 11,420 770 6,027	9,086 379 5,564 133 976	82,013 956 71,812 1,291 11,589	47 48 49 50 51
2,375,885 1,150,653 7,555 9,756 202,931 134,481 3,200 501,194 416,114 413	154,805 641 154 20,208 5,284 1,140 17,499 6,209 299	1,650,411 108,049 39,885 210,571 186,122 27,176 315,084 114,680 380	1,007,046 188,782 26,263 39,407 186,122 79,585 195,605 186,607 387	701,339 107,280 44,223 86,176 79,585 55,383 186,605 21,350 387	277,528 19,379 177 2,930 55,383 70,746 69,741 42,251 288	487,499 13,180 2,906 37,054 55,383 416,592 464,568 348,388 288	2,055,212 647,043 32,141 28,344 416,592 52,397 184,609 316 387	645,115 120,919 34,225 21,190 52,397 101,930 18,861 35,653 337	560,506 23,614 2,482 8,155 101,930 35,653 10,754 35,653 281	227,334 1,404 1,173 8,098 4,098 10,094 10,094 193,173 417	1,874,848 829,215 19,808 68,833 4,098 93,807 10,094 316,928	52 53 54 55 56 57 58 59 60
722,388 493,791 118,803 46,370 304,893 225,894 26,564 134 5,365 98,050 717,204 416,911	38,682 9,064 7,005 1,143 21,169 4,739 3,765 40 770 21,797 146,825 71,225	448,700 270,205 123,468 24,018 13,128 184,302 103,602 57,264 1,528 17,434 214,260 1,820,525 1,088	231,348 44,125 13,374 4,823 42,073 47,730 4,130 30 104 55,840 485,499 238,432	88,360 48,680 26,257 4,770 44,501 19,721 110,440 1,783 22,687 32,128 509,972 1,034,773 122,534	117,889 35,617 26,257 8,027 46,683 20,744 65,501 1,783 13,368 75,266 1,54,352 589,313 283,819	769,551 483,007 115,081 50,332 377,685 15,063 12,513 1,783 2,553 76,651 65,534 467,027 1,802	101,454 42,364 17,265 7,706 42,436 15,243 30,202 33 6,207 8,227 65,534 38,881 281,445	82,351 25,451 11,995 3,065 49,196 7,309 4,226 33 854 8,298	39,361 348,451 5,199 1,293 18,886 7,309 40,314 33 8,298 71,829	62 63 64 65 66 67 68 69 70 71 72 73		
26,564 134 5,365 98,050 717,204 416,911	3,765 40 770 1,088	85,028 1,528 17,434 1,088	57,264 1,137 11,771	520 30 104 834	4,130 1,783 1,783 22,687	110,440 1,783 1,783 13,368	65,501 507 507 2,553	12,513 150 150	30,202 33 854	40,314 33 8,298	63 64 70	
98,050 717,204 416,911	21,797 146,825 71,225	214,260 1,820,525 1,088	55,840 485,499 485,499	32,128 238,432 238,432	75,266 500,478	154,352 589,313 283,819	78,651 283,819	65,534 283,037	38,881 124,552	32,211 244,615	40,499 233,829	71 72

NOT ON FARMS OR RANGES: 1920—Continued.

1,765	60	944	407	174	186	188	1,673	117	289	607	1
2,486	460	778	428	304	364	1,159	150	236	.....	802	2
61	32	3	1	8	22	12	1	4	.....	10	3
2	4	4	4	4	1	2	2	2	.....	6	4
1,656	42	2,687	1,190	321	556	8,148	397	686	.....	1,387	5
1,184	5	1,888	471	174	186	1,716	186	209	.....	464	6
384	.....	1,991	2,619	121	369	360	32	19	.....	85	7
42	.....	42	1	3	15	1	4	8	.....	30	8
1,238	6	1,088	456	205	128	1,802	150	243	510	9	

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND

AGRICULTURE—UTAH.

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ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919.

Garfield.	Grand.	Iron.	Juab.	Kane.	Millard.	Morgan.	Plute.	Rich.	Salt Lake.	San Juan.	Sanpete.
715,367	351,194	996,796	725,449	253,496	3,029,810	705,796	523,764	852,470	4,765,910	795,400	3,211,327
52,872	64,212	155,038	263,675	52,358	531,008	228,680	120,851	101,008	640,827	339,289	1,121,532
1,271	183	31,285	24,420	2,833	691,490	1,503	1,347	340	3,367	5,486	4,089
596,217	241,215	727,308	350,789	191,961	1,232,858	273,680	357,086	715,911	1,001,698	379,016	1,582,161
58,602	21,838	71,124	45,106	30,099	83,499	177,679	35,915	30,696	789,279	58,424	230,998
8,376	23,523	11,956	26,454	16,406	38,780	522	3,100	4,517	476,580	12,305	15,086
29	128	128	14,915	402,176	23,782	65			884,168	277,463	
1,865	1,290	5,305	13,256	2,471	21,671	5,027	2,980	3,040	18,071	10,827	36,005
35,038	34,025	90,018	128,407	31,138	320,079	125,124	77,282	64,047	325,603	104,434	607,391
20	841	1,094	203	1,142	804	6	4		915	1,557	205
250	26,097	11,700	4,304	11,605	14,874	188	47		22,725	28,765	2,351
886	128	1,336	543	624	4,136	950	1,321	1,418	2,030	3,783	7,044
23,171	4,030	35,781	15,597	18,048	105,263	89,966	42,421	30,838	57,482	80,929	190,704
487	311	2,472	11,720	532	9,577	3,664	1,675	1,224	14,708	5,450	26,176
7,241	3,722	33,806	102,282	5,380	143,320	71,706	33,297	20,650	220,291	84,005	364,792
40	19	350	230	4	1,305	308	37	302	1,103	22	1,702
919	170	8,525	3,486	80	15,612	18,074	917	6,890	22,918	673	44,716
443				169	5,707	49			112	6	882
3,457				2,758	1,045	40,431	304		1,124	62	4,234
1	30	6			1	2			9	56	20
11				8	680	35			24	341	169
248				17	8		7		18		31
				171	194	21			210		402
13,029	4,084	16,706	10,395	4,526	28,745	5,781	9,163	32,076	26,663	10,670	47,011
24,231	9,740	29,851	15,213	8,201	49,195	11,178	14,477	35,225	81,483	16,322	65,553
10,569	3,552	14,627	6,993	2,425	23,000	4,829	7,584	6,442	23,914	8,620	37,051
21,287	9,037	26,398	11,186	6,192	45,932	9,155	12,714	7,500	73,972	13,155	52,427
613	220	184	36	12	975	319	310	6	38	857	28
847	235	325	60	33	1,749	384	886	85		1,268	29
74	10	320	95		1,434	96	1,693	620	100	695	30
96	20	343	140		2,709	100	2,225	1,225	150	1,087	31
5	65	25		47	2	44		142	56	32	
7	65	40		81	6	75	271		80	33	
9,062	8,415	18,593	6,256	2,309	22,955	1,662	6,885	3,754	22,163	8,351	30,722
19,428	8,766	25,119	10,227	6,033	45,806	4,285	11,530	4,060	70,976	12,764	45,195
815	127	430	333	80	256	240	685	330	614	133	4,621
909	251	631	404	99	12	406	270	822	156	4,788	37
1,426	257	818	1,780	752	823	1,189	1,398	25,510	1,174	107	8,181
1,922	342	982	2,281	825	1,063	1,200	1,545	27,617	1,583	85	9,879
897	48	268	1,428	329	2,450	142	131	75	655	299	1,022
861	77	298	528	271	1,716	178	171	45	520	280	2,374
49			1		100	101	2	47	36	39	42
56			1		59	304	2	23	58	46	43
	81		205						494	92	73
		225	903						3,388	130	644
78	178	859	95	997	355	7	45		204	1,533	31
48	281	1,329	281	946	349	7	21		1,033	2,593	132
		6	19						5	7	48
10	1	103	7	4	17	13	8	2	121	12	50
57	3	669	76	8	86	149	24	40	072	53	51
135	41	233	162	57	202	244	98	80	1,773	127	622
16,243	3,215	26,204	15,082	7,482	23,542	50,660	12,408	9,184	269,585	10,624	64,512
5	9	8	2	29	724	2	2	6	878	12	384
			252	1,381	6,136	167	5	6	7,033		4,041
				37,009	2,202				79,007		25,691
1	3	7	1	6	3	5	123	34		15	57
1,246	3,134	7,047	1,034	6,664	1,923	2,449	8,836	142,390	22,968	9,640	58
5	273	3,635		1,430	50	449	37		53,952	659	59
1	190	1,418	2	1,188	1,625	110	6,960	30,060	2,384	151	60
958	2	1,074	1	2	48	1,232	1,250	20,909	661	3,447	61
117	288	1,092	1,534	166	930	69	348	806	23,841	3,507	2,028
2,860	8,344	7,018	22,202	2,615	11,183	6,603	3,049	3,186	173,787	3,051	42,110
4,511	12,617	6,256	14,271	8,290	21,049	50	1,520	1,486	244,147	4,505	7,395
82	137	1,547	1,233	90	517	69	259	476	18,424	1,360	1,775
1,726	5,909	4,099	14,783	1,756	7,681	5,669	1,734	2,785	92,035	1,402	28,273
2,867	5,962	3,811	5,598	6,021	15,019	16	694	1,119	104,239	1,087	3,934
7	70	85	101	27	180	4			2,183	1,181	78
289	608	665	6,087	277	2,011	465			48,140	702	6,899
555	1,083	469	7,488	647	5,236	702	8	245	101,617	1,830	2,440
30	18	123	205	173	682	581	90	183	1,208	273	30
143	1,382	366	205	1,034	1,463	21	17	229	8,082	246	1,217
367	4,427	334	175	1,034	1,463	21	17	65	14,113	301	105
37	85	160	78	14	100	41			820	410	97
623	224	1,632	691	291	811	297	451	172	8,687	456	4,882
657	300	1,499	421	467	1,271	2	98	127	6,601	464	512
11	28	77	13	19	32	36	20	1,147	279	39	80
79	195	256	513	111	96	56	809	96	16,397	177	815
65	245	153	574	100	66	12	18	11	16,079	210	340
8	24	18	17	6					2,597	420	83
321	2	64	35	1,218					5,574	421	2
6,388		256	701	4,300					9,920	5,900	50
20	12			8						2	86
	27			100					18		87
	1,512								31		88

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919—Contd.

		Sevier.	Summit.	Tooele.	Uintah.	Utah.	Wasatch.	Washington.	Wayne.	Weber.
VALUE OF ALL CROPS.										
1 Total	dollars.	3,001,380	989,100	754,387	1,253,263	7,563,890	911,695	1,201,159	508,286	3,830,230
2 Cereals	dollars.	641,800	182,184	239,332	181,704	1,345,455	227,478	152,787	119,070	464,947
3 Other grains and seeds	dollars.	284	75	7,179	62,088	24,831	22,183	2,452	6,492	21,041
4 Hay and forage	dollars.	1,855,532	754,331	380,584	850,951	2,261,664	566,087	603,508	331,768	1,073,014
5 Vegetables	dollars.	123,926	52,455	67,479	113,964	733,864	61,296	85,880	43,237	650,238
6 Fruits and nuts	dollars.	19,291	75	21,199	41,749	1,237,600	59	206,836	7,486	589,812
7 All other crops	dollars.	360,547	.....	29,614	2,807	1,960,476	34,592	59,710	233	1,027,683
SELECTED CROPS (acres harvested and production).										
Cereals:										
8 Total	acres.	13,423	4,175	11,956	6,839	32,006	4,737	4,955	2,843	12,783
9 Corn	bushels.	367,123	111,010	120,264	112,025	704,009	127,795	75,746	69,092	266,095
10 Oats	acres.	79	.....	190	503	1,902	.....	1,660	86	492
11 Wheat	bushels.	1,779	.....	2,212	11,905	47,656	.....	19,034	2,240	9,760
12 Barley	acres.	4,697	1,523	630	3,404	5,266	.....	166	928	3,488
13 Rye	bushels.	156,503	55,815	15,557	61,374	162,681	50,544	5,612	20,097	110,282
14 Timothy alone	acres.	7,883	2,183	10,016	2,690	22,910	2,975	2,854	1,361	7,065
15 Timothy and clover mixed	bushels.	189,744	42,605	83,143	30,011	434,637	70,928	43,842	28,570	130,216
16 Clover alone	acres.	510	436	818	180	1,660	201	242	440	610
17 Alfalfa	bushels.	16,463	12,150	17,738	3,620	56,589	6,223	0,833	11,237	14,073
18 Other grains and seeds:	acres.	232	29	301	10	256	5	32	1	189
19 Dry edible beans	bushels.	2,094	290	1,564	251	2,230	100	420	12	1,045
20 Dry peas	acres.	4	1	.....	.....	58	.....	10	.....	30
21 Hay and forage:	bushels.	17	4	5	.....	457	.....	98	3	100
22 Corn cut for hay	acres.	1	.....	.....	.....	27	50	40	88	.....
23 Small grains cut for hay	tonns.	10	.....	.....	.....	810	334	.....	1,116	2,323
24 All tame or cultivated grasses	acres.	32,244	23,784	9,511	21,713	37,615	14,335	9,111	8,101	20,916
25 Timothy alone	tonns.	74,663	32,229	16,363	34,047	101,243	22,880	27,509	13,466	45,044
26 Timothy and clover mixed	tonns.	29,023	17,800	7,182	20,318	28,007	12,015	8,643	6,708	16,573
27 Clover alone	tonns.	69,603	25,902	13,202	32,069	73,694	10,352	26,740	11,553	35,990
28 Alfalfa	tonns.	689	1,311	20	350	601	997	113	20	1,483
29 Other tame or cultivated grasses	tonns.	685	2,035	20	474	1,343	1,520	286	43	2,279
30 Silage crops	tonns.	601	9,860	69	251	614	7,348	50	298	2,284
31 Clover alone	tonns.	673	14,440	129	237	1,249	12,841	76	498	4,072
32 Alfalfa	tonns.	15	133	10	96	459	127	425	25	61
33 Timothy alone	tonns.	47	203	10	88	877	235	358	100	112
34 Timothy and clover mixed	tonns.	26,338	1,298	6,204	19,145	24,630	3,251	7,916	6,024	12,149
35 Other tame or cultivated grasses	tonns.	65,991	1,989	11,023	30,525	67,246	4,420	25,772	10,879	25,394
36 Wild, salt, or prairie grasses	acres.	1,410	5,290	879	476	1,703	292	139	335	566
37 Small grains cut for hay	tonns.	2,207	7,235	1,420	745	2,970	330	253	433	1,133
38 Annual legumes cut for hay	acres.	2,883	5,574	1,905	668	6,877	1,732	48	1,171	2,258
39 Silage crops	tonns.	3,788	5,771	2,778	866	10,535	2,522	53	1,288	2,490
40 Corn cut for forage	acres.	229	255	308	556	766	325	68	208	504
41 Root crops for forage	tonns.	411	191	170	617	1,384	286	79	201	1,158
42 Kafir, sorghum, etc., for forage	acres.	8	12	.....	48	154	167	23	19	706
43 Corn cut for forage	tonns.	10	23	.....	61	476	162	45	24	2,080
44 Peas	tonns.	61	70	5	19	1,324	20	6	.....	166
45 Other vegetables	tonns.	675	210	20	172	13,508	50	30	.....	1,240
46 Potatoes (Irish or white)	acres.	365	93	190	195	1,743	148	137	95	1,405
47 Sugar beets grown for sugar	tonns.	40,908	11,382	24,799	26,837	249,369	17,594	13,088	12,881	181,452
48 Other vegetables	acres.	23	152	5	28	1,048	152	109	7	1,059
Miscellaneous crops:										
49 Sugar beets grown for sugar	acres.	5,611	.....	456	23	20,152	307	.....	.....	11,808
50 Small fruits:	tonns.	33,384	.....	2,742	253	181,363	3,203	.....	.....	98,038
FRUITS AND NUTS.										
51 Small fruits:	acres.	6	3	8	200	1	12	3	70	.....
52 Strawberries	quarts.	5,473	140	1,547	5,408	315,536	250	11,935	1,846	140,299
53 Raspberries	quarts.	500	.....	281	1,661	124,988	.....	3,502	12	49,146
54 Currants	quarts.	2	3	3	1	180	1	2	.....	36
55 Orchard fruits:	quarts.	578	90	680	1,293	136,927	250	1,610	12	49,931
56 Grapes	quarts.	2,744	50	354	1,293	38,970	.....	4,885	1,092	24,193
57 Apples	trees not of bearing age	1,751	59	1,896	3,515	38,576	354	10,182	170	5,517
58 Apples	trees of bearing age	19,756	2,116	11,362	19,036	439,980	7,772	3,039	3,039	190,880
59 Apples	bushels harvested	10,194	25	11,534	22,536	658,449	2	86,513	4,071	297,379
60 Peaches	trees not of bearing age	1,223	64	1,475	1,738	21,236	353	3,473	45	2,811
61 Peaches	trees of bearing age	10,107	1,039	5,638	13,994	203,490	6,609	8,583	1,400	54,767
62 Peaches	bushels harvested	5,811	20	7,097	18,517	326,532	18,335	1,322	45,186	.....
63 Pears	trees not of bearing age	4,010	.....	197	879	12,238	3,510	10	1,391	.....
64 Pears	trees of bearing age	2,622	4	2,019	1,003	179,859	1	32,710	859	91,302
65 Plums and prunes	trees not of bearing age	1,204	58	793	746	13,958	20	57,790	1,396	173,720
66 Plums and prunes	bushels harvested	1,146	1	645	834	33,098	1	3,403	118	7,842
67 Cherries	trees not of bearing age	101	1	55	448	1,149	1	691	14	418
68 Cherries	trees of bearing age	3,821	102	1,798	2,255	14,821	1,077	2,055	789	4,949
69 Cherries	bushels harvested	476	3	655	1,528	12,331	2	2,818	717	6,860
70 Cherries	trees not of bearing age	169	.....	91	272	1,303	.....	1,158	5	447
71 Cherries	trees of bearing age	605	17	779	588	21,328	65	1,441	113	22,088
72 Cherries	bushels harvested	139	1	298	180	21,321	3,815	186	36,916	.....
73 Grapes	vines not of bearing age	.....	.....	11	.....	1,648	17,337	6	1,497	.....
74 Grapes	vines of bearing age	.....	.....	900	17	11,703	74,694	16	57,588	.....
75 Nuts	pounds harvested	.....	.....	602	3	30,110	552,552	650	224,476	.....
76 Nuts	trees not of bearing age	1	2	9	4,196	16	527
77 Nuts	trees of bearing age	10	1	1	50	9	6,010	51,641	1,497

AGRICULTURE—UTAH.

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COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED. 1919

AND FEED: 1919.							
Labor:							
9	Farms reporting	number.	15,033	152	1,301	1,661	114
10	Total expenditure	dollars.	8,400,148	58,645	1,077,026	949,250	22
11	Amount in cash	dollars.	7,472,300	52,710	942,474	898,928	804
12	Value of rent and board furnished	dollars.	1,017,846	5,935	134,552	59,322	376
Fertilizer:							
13	Farms reporting	number.	1,017	5	84	91	52
14	Amount expended	dollars.	108,956	2,413	13,750	11,435	1
Feed:							
15	Farms reporting	number.	13,082	124	1,057	1,438	15
16	Amount expended	dollars.	3,941,888	42,113	414,253	457,173	200,212

	Millard.	Morgan.	Plute.	Rich.	Salt Lake.	San Juan.	Sanpete.	Sevier.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	490	88	112	95	914	246	785	381
Number with mortgage debt.....	394	89	88	97	793	107	771	582
Number with no mortgage report.....	35	16	31	8	297	37	94	57
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	314	61	72	88	631	102	630	460
Value of land and buildings..... dollars.	3,110,775	678,748	578,755	1,462,080	6,062,960	1,734,635	6,202,392	5,288,002
Amount of mortgage debt..... dollars.	892,676	201,885	170,788	662,043	1,767,122	493,605	1,776,525	1,303,719
Ratio of debt to value..... per cent.	28.7	29.7	29.5	38.4	29.1	28.5	28.6	24.7
Average rate of interest paid..... per cent.	6.8	6.6	7.2	7.2	7.0	6.9	7.8	7.5
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting..... number.	641	164	129	147	1,391	194	1,183	745
Total expenditure..... dollars.	361,003	54,297	37,534	239,413	590,122	117,989	658,085	405,029
Amount in cash..... dollars.	320,195	47,222	32,860	177,744	555,125	96,695	594,214	358,035
Value of rent and board furnished..... dollars.	40,808	7,075	4,694	61,669	54,997	21,294	63,821	47,594
Fertilizer:								
Farms reporting..... number.	9	28	7	-----	79	1	191	114
Amount expended..... dollars.	512	1,595	194	-----	8,298	1,000	24,278	5,104
Feed:								
Farms reporting..... number.	577	132	91	148	1,182	168	892	427
Amount expended..... dollars.	171,313	27,488	20,467	90,604	327,008	55,391	283,800	207,386

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919—Continued.

		Summit.	Tooele.	Uintah.	Utah.	Wasatch.	Washington.	Wayne.	Weber.
MORTGAGE DEBT REPORTS: 1920.									
1	For all farms operated by owners:								
2	Number free from mortgage debt.....	211	225	334	1,361	234	492	112	745
3	Number with mortgage debt.....	153	136	300	1,200	211	203	121	539
	Number with no mortgage report.....	88	9	95	383	17	3	26	147
4	For farms consisting of owned land only:								
5	Number of farms reporting amount of debt.....	131	109	277	928	104	181	113	499
6	Value of land and buildings.....dollars.....	1,598,270	981,225	1,809,041	8,385,196	1,377,738	1,167,716	618,630	6,563,920
7	Amount of mortgage debt.....dollars.....	537,444	301,205	503,303	2,837,172	530,230	222,181	188,615	1,033,599
8	Ratio of debt to value.....per cent.....	33.6	30.7	27.8	33.8	38.5	19.0	30.5	24.8
	Average rate of interest paid.....per cent.....	6.9	6.9	7.8	7.2	7.2	6.9	7.2	6.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
9	Labor:								
10	Farms reporting.....number.....	286	231	323	1,998	271	283	122	1,118
11	Total expenditure.....dollars.....	181,474	195,984	260,998	787,234	133,601	122,153	110,275	623,518
12	Amount in cash.....dollars.....	136,761	133,322	213,558	756,776	120,753	102,586	83,751	463,417
	Value of rent and board furnished.....dollars.....	44,713	62,662	47,440	30,458	12,848	19,622	26,524	60,101
13	Fertilizer:								
14	Farms reporting.....number.....	4	2	1	148	4	18	4	108
	Amount expended.....dollars.....	2,170	879	75	12,807	4,270	518	2,350	5,829
15	Feed:								
16	Farms reporting.....number.....	218	233	375	1,679	197	270	123	1,172
	Amount expended.....dollars.....	82,435	71,810	150,702	370,061	73,298	35,710	48,423	305,827

IRRIGATION—UTAH.

INTRODUCTION.

The following pages present the statistics of irrigation for the state of Utah collected at the census of 1920. Statistics of acreage irrigated, of acreage, yield, and value of crops grown on irrigated land, and of cost of operation and maintenance relate to the year 1919; other items relate to the year 1920. Throughout the report figures for the census of 1910 are given for purposes of comparison; and, for the purpose of show-

ing the historical development of irrigation, items which have been reported in censuses previous to 1910 are presented.

Statistics of number of farms irrigated and of acreage, yield, and value of crops grown on irrigated land were collected in the general census of agriculture. All other statistics were obtained in a special canvass of irrigation enterprises.

TABLE 1.—SUMMARY FOR THE STATE: 1920 AND 1910.

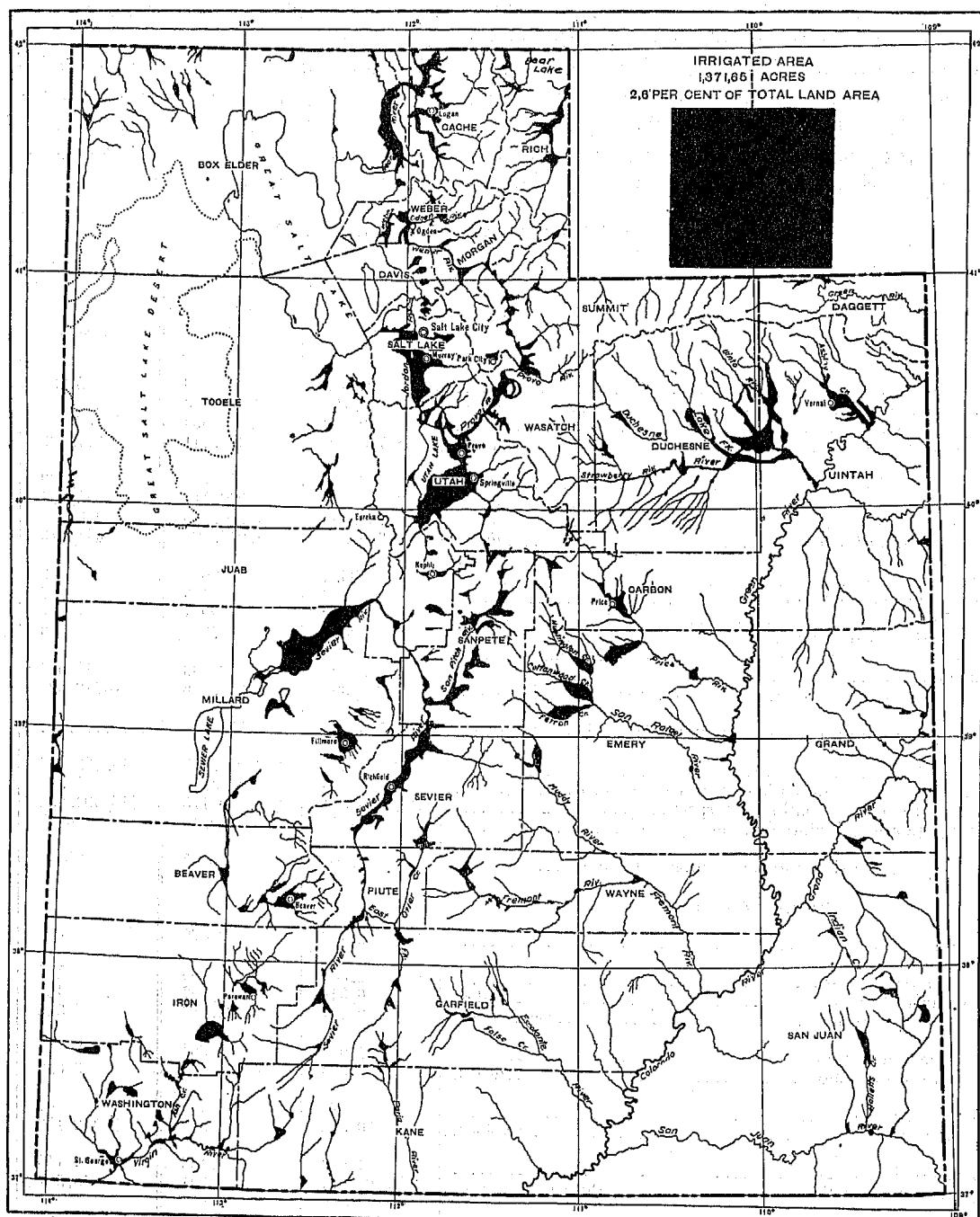
ITEM.	CENSUS OF—		INCREASE. ¹	
	1920	1910	Amount.	Per cent.
Number of all farms.....	25,662	21,676	3,986	18.4
Approximate land area of the state.....acres.....	52,597,760	52,597,760	.....	.....
All land in farms.....acres.....	5,050,410	3,397,699	1,652,711	48.6
Improved land in farms.....acres.....	1,715,380	1,368,211	347,169	25.4
Number of farms irrigated.....	22,218	19,709	2,509	12.7
Area irrigated.....acres.....	1,371,651	999,410	372,241	37.2
Area enterprises were capable of irrigating.....acres.....	1,700,550	1,250,246	450,304	36.0
Area included in enterprises.....acres.....	2,359,244	1,947,625	411,619	21.1
Per cent irrigated:				
Number of all farms.....	86.6	90.9	−4.3	.....
Approximate land area of the state.....	2.6	1.9	0.7	.....
Land in farms.....	27.2	29.4	−2.2	.....
Improved land in farms.....	80.0	73.0	7.0	.....
Excess of area enterprises were capable of irrigating over area irrigated.....acres.....	328,899	250,836	78,063	31.1
Excess of area included in enterprises over area irrigated.....acres.....	658,694	948,215	−289,521	−30.5
Area of irrigated land reported as available for settlement.....acres.....	189,563	(²)	.....	.....
Capital invested.....	\$32,037,351	\$14,028,717	\$18,008,634	128.4
Average per acre enterprises were capable of irrigating.....	\$18.84	\$11.22	\$7.62	67.9
Estimated final cost of existing enterprises.....	\$33,835,641	\$17,840,775	\$15,994,866	89.7
Average per acre included in enterprises.....	\$14.34	\$9.16	\$5.18	56.6
Average cost of operation and maintenance per acre.....	\$1.08	\$0.65	\$0.43	66.2
IRRIGATION WORKS.				
Number of enterprises.....	2,403	2,472	−69	−2.8
Number of main ditches.....	2,381	2,495	−114	−4.6
Length of main ditches.....miles.....	6,343	5,887	456	7.7
Capacity of main ditches.....second-feet.....	29,447	25,081	4,366	17.4
Number of lateral ditches.....	4,068	1,357	2,711	199.8
Length of lateral ditches.....miles.....	5,334	1,822	3,512	192.8
Number of reservoirs.....	476	480	−4	−0.8
Capacity of reservoirs.....acre-feet.....	1,600,505	588,317	1,012,188	172.0
Number of flowing wells.....	1,256	1,138	118	10.4
Capacity of flowing wells.....gallons per minute.....	96,371	42,794	53,577	125.2
Number of pumped wells.....	192	27	165	.....
Capacity of pumped wells.....gallons per minute.....	39,059	4,827	34,232	709.2
Number of pumping plants.....	250	69	181	.....
Engine capacity.....horsepower.....	11,392	2,143	9,249	431.6
Pump capacity.....gallons per minute.....	788,588	315,057	468,531	148.7
Average lift.....feet.....	25	(²)	25	.....

¹ A minus sign (−) denotes decrease. Per cent not shown when base is less than 100.

² Not reported in 1910.

UTAH

APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND.



EXPLANATION OF TERMS.

Farms irrigated.—The number of "farms irrigated" is the number on which irrigation is practiced, and for the purposes of this inquiry a "farm" is defined as for the general census of agriculture; that is, to be classed as a farm an establishment either must be 3 acres in extent or must have produced crops to the value of \$250 in 1919, or must have required for its agricultural operations the continuous services of at least one person. "Number of farms irrigated" as used in this report and in that of 1910, is equivalent to the term "number of irrigators" used in census reports on irrigation previous to 1910.

Irrigation enterprise.—An "enterprise" is an independent irrigation establishment and includes the works for supplying water and the land to which water is supplied or is to be supplied, except that the cost or value of the land is not included in the "capital invested."

Acreage irrigated, in enterprises, and available for settlement.—Acreage irrigated is the acreage to which water was actually applied in the season preceding the census year—1919 for the Fourteenth Census and 1909 for the Thirteenth Census.

Acreage to which enterprises were capable of supplying water relates to the season following the time of taking the census and, consequently, is based on estimates made by those controlling the enterprises.

Acreage included in enterprises represents the extent of the plans of those controlling enterprises.

Acreage of irrigated land reported as available for settlement relates to land within existing enterprises and not to land that is susceptible of reclamation and settlement by new enterprises or extensions of existing enterprises.

Types of enterprises.—The types of enterprises under which all data are classified are as follows:

United States Reclamation Service enterprises, which operate under the Federal law of June 17, 1902, providing for the construction of irrigation works with the receipts from the sale of public lands. In addition to serving land within its own projects, the United States Reclamation Service supplies stored water to land within other enterprises.

United States Indian Service enterprises, which operate under various acts of Congress providing for the construction by that service of works for the irrigation of land in Indian reservations.

Carey Act enterprises, which operate under the Federal law of August 18, 1894, granting to each of the states in the arid region 1,000,000 acres of land on condition that the state provide for its irrigation, and under amendments to that law granting additional areas to Idaho and Wyoming.

Irrigation districts, which are public corporations that operate under state laws providing for their organization and management, and empowering them to issue bonds and levy and collect taxes with the object of obtaining funds for the purchase or construction and for the operation and maintenance of irrigation works.

Cooperative enterprises, which are controlled by the water users under some organized form of cooperation. The most common form of organization is the stock company, the stock of which is owned by the water users.

Commercial enterprises, which supply water for compensation to parties who may own no interest in the works.

Individual and partnership enterprises, which belong to individual farmers or to neighboring farmers, who control them without formal organization.

Capital invested.—The capital invested in irrigation enterprises is that reported by the owners. For the larger works the capital invested is taken, in most cases, from books of account and represents the actual investment. In the case of most of the private and partnership and many of the cooperative enterprises, however, the works were built by their owners without records of money or labor expended, and the capital reported represents the owners' estimates. The schedules used in 1910 called for "cost," while the

schedules used in the present census called for "capital invested," but the instructions accompanying the schedules make these two terms equivalent. In both cases the investment includes cost of construction and of acquiring rights. The latter usually consists of filing fees only, but in some instances it includes the purchase price of rights. However, these cases are so rare that they are unimportant. The cost reported for 1900 is designated "cost of construction," but probably includes the cost of acquiring rights, as in 1910. For the Thirteenth and Fourteenth Censuses the average cost per acre is based on the acreage which enterprises were capable of irrigating in the census year and the cost to the date of the census—January 1, 1920, for the Fourteenth Census, and July 1, 1910, for the Thirteenth Census.

Operation and maintenance.—Cost of operation and maintenance was not reported on all schedules, and averages are based on the acreages for which cost is reported. No estimate of total cost of operation and maintenance for all irrigation enterprises has been made. In the case of enterprises operating pumping plants the cost of operation and maintenance includes cost of fuel and attendance.

Water rights.—The acreage irrigated has been classified by the character of rights under which water is received. The classes used are defined as follows:

"*Appropriation and use*" includes all rights acquired without formalities of any kind that have not been defined by the courts.

"*Notice filed and posted*" includes rights for which claims of some kind have been either posted or filed that have not been defined by the courts.

"*Adjudicated by court*" includes all rights that have been defined by the courts.

"*Permit from state*" includes all rights initiated under laws requiring any party wishing to acquire rights to obtain a permit from the state.

"*Certificate or license from the state*" includes rights acquired under laws providing for the issuing by the state of certificates or licenses defining rights acquired.

"*Riparian rights*" includes rights based on the ownership of riparian land.

"*Underground*" represents water taken from wells.

Source of water supply.—In classifying acreage by source of supply from which water for irrigation is obtained, in 1910 acreage was credited to what seemed to be the principal source of supply, while in the census of 1920 the attempt is made to represent the facts more nearly by presenting various mixed classes.

Date of beginning.—The date of beginning of irrigation enterprises is, in some cases, the date when construction began, and, in other cases, the date of filing a claim or of applying for a permit. If a filing or application for permit was made and work was begun and continued with reasonable diligence the date of filing is considered the date of beginning, otherwise the date of construction is taken as the date of beginning.

Drainage basin.—The drainage basin of a stream is all of the land drained by the stream and its tributaries.

Units of quantity and capacity.—Capacities of canals, reservoirs, wells, pumps, and engines, and quantities of water used are expressed in the units commonly used in engineering literature to express the same items. They are as follows:

Capacities of canals and volumes of flowing water are given in second-feet, a shorter equivalent for cubic feet per second.

Capacities of wells and pumps are given in gallons per minute. Four hundred and fifty gallons per minute equal 1 second-foot.

Capacities of reservoirs are given in acre-feet. An acre-foot is the quantity of water that will cover 1 acre to a depth of 1 foot. It equals 43,560 cubic feet.

Capacities of engines and motors are given in horsepower. One horsepower is the power required to lift 33,000 pounds through a vertical distance of 1 foot in 1 minute of time.

CLIMATIC CONDITIONS.

The climatic conditions determining the necessity for irrigation are the amount and seasonal distribution of precipitation, especially rainfall, and, to a lesser extent, temperature and wind movement.

The surface of the central, eastern, and southern parts of the state is mountainous, with high plateaus and stream valleys interspersed between the ranges of mountains. The west central and northwestern parts of the state lie within the Great Basin, the bed of the ancient Lake Bonneville, and here the surface consists of extensive level plains, with occasional small ranges of mountains and hills or isolated peaks.

The whole state may be classed as arid, since only on the high mountains does the annual precipitation amount to 20 inches.

On the Wasatch and Uinta Mountains in the north central part of the state and on the divide between Virgin River and the Great Basin in the southwestern part of the state the annual precipitation exceeds 20 inches.

Immediately surrounding each of these sections lies a belt that receives from 15 to 20 inches of precipitation annually, and beyond that is a zone receiving from 10 to 15 inches. About one-third of the area of the state, divided about equally between the west central and the eastern parts of the state, receives less than 10 inches of precipitation annually, and in the Great Salt Lake Desert the annual precipitation is less than 5 inches.

In all of the valleys of the state the land slopes up from the central drainage channels toward the mountains, and the rainfall on the higher lands near the mountains is greater than that in the valleys, and on the higher lands crops, especially the cereals, are grown without irrigation. It is very common for farmers to have home farms on which crops are grown under irrigation and additional land above the canals on which crops are grown without irrigation.

Throughout the state the precipitation is fairly well distributed throughout the year, although it is slightly heavier in the winter than in the summer, the snowfall in the mountains being heavy and remaining well into the summer.

Precipitation in 1919 was much below the normal, and this condition was aggravated by a great deficiency in the summer months, that was offset to some extent by heavy rains in the fall. The drought was felt to some extent in May, but was much more pronounced in June and July, being accompanied by low humidities and high wind movement. Pastures, ranges, and dry-land crops suffered severely, and in many places irrigation water became scarce. On the whole, the season was unfavorable to the production of the best crops, although the fall rains helped late crops.

WATER SUPPLY FOR IRRIGATION.

The area of the state of Utah is about equally divided between the drainage basin of Colorado River and its tributaries and the great interior basin, which has no outlet to the sea. The eastern and extreme southern parts of the state are drained by the Colorado and its tributaries, while the northern and western parts of the state are within the Great Basin.

Green and Grand Rivers unite to form Colorado River in the southeastern part of Utah. Green River rises in northwestern Wyoming, enters Utah from Wyoming, flows across the northeastern corner of Utah, makes a short loop in Colorado, and returns to Utah. It flows in a southerly direction through eastern Utah roughly parallel to the eastern boundary and receives tributaries from Colorado on the east and from the Wasatch Mountains on the west. Green River itself flows in deep canyons most of its course in Utah, and the same is true of its tributaries from the east. Its principal tributaries from the west—Duchesne and Price Rivers—flow through large valleys and are utilized to a considerable extent for irrigation.

Grand River enters Utah from Colorado about midway of the eastern boundary of the state, and Colorado River leaves the state about midway of the southern boundary of the state. Both of these streams flow in deep canyons and are not used for irrigation to any considerable extent, although they carry large volumes of water.

Virgin River, a tributary of Colorado River, provides a small supply of water for irrigation in the southwestern corner of the state.

The larger part of the irrigated land of the state lies in the Great Salt Lake drainage basin, the water supply coming principally from streams draining the Wasatch and Uinta Mountains and flowing into Utah Lake and Great Salt Lake. Of these Bear River rises in the Uinta Mountains in Utah, flows north into Wyoming, crosses and recrosses from Wyoming into Utah, makes a loop into Idaho, returns to Utah, and discharges into the northern end of Great Salt Lake. It is used for irrigation to some extent throughout its course and supplies a large area in northern Utah. Its tributaries also serve considerable areas.

From the Wasatch Mountains many short streams flow into Great Salt Lake and Utah Lake, and these water the older irrigated areas of the state.

Southwest of the Great Salt Lake drainage basin lies the drainage basin of Sevier River, and other streams that rise in the high lands of southern Utah, and flow out into the deserts and discharge into lakes or are lost.

In most of the valleys of the state artesian water is found and is used for irrigation, and in the valleys of the Great Basin there appears to be much ground water that can be obtained by pumping.

FARMS AND ACREAGE IRRIGATED.

TABLE 2.—NUMBER OF FARMS AND ACREAGE IRRIGATED: 1890 TO 1920.

CENSUS YEAR.	FARMS IRRIGATED.			AREA IRRIGATED.				
	Num- ber.	Per cent of in- crease.	Per cent of all farms.	Acres.	Per cent of in- crease.	Per cent of total land area.	Per cent of land in farms.	Per cent of im- proved land in farms.
1920.....	22,218	12.7	86.6	1,371,651	37.2	2.6	27.2	80.0
1910.....	19,709	10.0	90.9	999,410	58.8	1.9	29.4	73.0
1900.....	17,924	84.3	92.5	629,293	138.8	1.2	15.3	61.0
1890.....	9,724	.....	92.5	203,473	.....	0.5	20.0	48.1

TABLE 3.—ACREAGE, CLASSIFIED BY DATE OF BEGINNING OF ENTERPRISES SUPPLYING WATER FOR IRRIGATION.

DATE OF BEGINNING.	Num- ber of enter- prises.	Area in- cluded in enter- prises, 1920 (acres).	AREA IRRIGATED IN 1919.		Area enter- prises were ca- pable of irrigating in 1920 (acres).	
			Acres.	Per cent of area in enter- prises.		
			Total.....	1,371,651		
Total.....	2,403	2,359,244	1,371,651	58.1	1,700,550	
Before 1880.....	157	131,071	100,132	81.0	118,938	
1880-1889.....	256	165,414	144,957	87.6	150,010	
1870-1879.....	268	247,868	201,840	81.4	222,904	
1880-1889.....	389	474,566	300,415	63.3	334,883	
1890-1899.....	296	184,057	113,386	61.6	125,078	
1900-1904.....	127	124,505	81,407	65.4	91,590	
1905-1909.....	171	551,485	250,048	45.3	404,876	
1910-1914.....	179	257,123	67,406	25.2	121,504	
1915-1919.....	205	149,259	44,939	30.1	64,172	
Not reported.....	355	73,836	61,061	82.7	66,595	

TABLE 4.—ACREAGE, CLASSIFIED BY SOURCE OF WATER SUPPLY: 1919 AND 1909.

CLASS.	AREA IRRIGATED (ACRES).			Area en- ter- prises were ca- pable of irrigating in 1920 (acres).	Area in- cluded in enter- prises, 1920 (acres).		
	1919	1909	Increase. ¹				
Total.....	1,371,651	999,410	372,241	37.2	1,700,550		
Streams, gravity.....	1,105,691	954,800	150,891	15.8	1,380,171		
Streams, pumped.....	10,389	2,559	7,830	306.0	16,575		
Streams, pumped and gravity.....	50	(2)	.....	.....	350
Wells, pumped.....	7,308	300	7,008	.....	12,941	
Wells, flowing.....	4,008	4,100	808	19.7	5,706		
Wells, flowing and pumped.....	178	(2)	.....	.....	261
Lakes, pumped.....	11,400	.....	.....	.....	331
Lakes, gravity.....	15,218	1,071	13,547	810.7	19,000		
Springs.....	41,310	35,412	5,898	16.7	16,185		
Stored storm water.....	977	568	409	72.0	45,126		
City water.....	25	(2)	.....	.....	1,620
Streams, gravity, and pumped wells.....	125	(2)	.....	.....	2,380
Streams, gravity, and flowing wells.....	537	(2)	.....	.....	793
Other mixed.....	173,495	(2)	.....	.....	201,841
Other and not reported.....	40	(2)	.....	.....	71

¹ A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.

* Not included in classification in 1910.

ACREAGE, BY CHARACTER OF ENTERPRISE.

Utah enacted the original irrigation district law in the United States in 1865, which did not, however, contain the provision for issuing bonds, which is the most important feature of present-day irrigation dis-

trict laws. Many districts were organized under this law, but they were short-lived. A district law providing for the issuing of bonds was enacted in 1909, but little has been done under this law. Some of the land served by the United States Reclamation Service has been organized into irrigation districts, but this land is credited to the Reclamation Service in Table 5, because the Government built the works and still controls them to a large extent. The Reclamation Service also supplies stored water to land in other enterprises under the terms of the Warren Act (act of Congress, Feb. 21, 1911) and under special agreements.

The state of Utah accepted the terms of the Federal Carey Act (act of Congress, Aug. 18, 1894) in 1897, but little has been done under this act.

TABLE 5.—ACREAGE, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920 AND 1910.

ITEM AND CLASS.	CENSUS OF—		INCREASE. ¹
	1920	1910	
ACREAGE IRRIGATED.			
Total.....	1,371,651	999,410	372,241
Individual and partnership.....	166,887	222,448	-55,561
Cooperative.....	1,014,049	871,260	827,889
Irrigation district.....	21,143	8,455	12,688
Carey Act.....	16,000	5,000	11,000
Commercial.....	70,911	64,727	6,184
U. S. Reclamation Service.....	2,291,285	.....	29,285
U. S. Indian Service.....	25,270	11,520	13,750
City.....	24,206	(3)	24,206
Other.....	3,300	(3)	3,300
ACREAGE ENTERPRISES WERE CAPABLE OF IRRIGATING.			
Total.....	1,700,550	1,250,246	450,304
Individual and partnership.....	195,558	257,266	-61,408
Cooperative.....	1,225,084	790,855	435,239
Irrigation district.....	24,023	8,455	15,568
Carey Act.....	35,000	20,000	15,000
Commercial.....	91,833	87,070	4,763
U. S. Reclamation Service.....	2,501,030	50,030	50,030
U. S. Indian Service.....	49,870	86,600	-36,730
City.....	25,552	(3)	25,552
Other.....	3,300	(3)	3,300
ACREAGE INCLUDED IN ENTERPRISES.			
Total.....	2,359,244	1,947,625	21.1
Individual and partnership.....	261,720	376,502	-114,782
Cooperative.....	1,736,863	1,259,351	477,512
Irrigation district.....	27,933	10,802	17,131
Carey Act.....	33,000	43,000	-10,000
Commercial.....	147,933	151,970	-3,037
U. S. Reclamation Service.....	2,001,030	60,030	-50,130
U. S. Indian Service.....	55,870	106,000	-50,130
City.....	27,595	(3)	27,595
Other.....	3,300	(3)	3,300

¹ A minus sign (—) denotes decrease.² Does not include about 23,000 acres to which stored water is supplied under Warren Act.³ Not included in classification in 1910.

ACREAGE, BY CHARACTER OF WATER RIGHTS.

The laws of Utah relating to water rights are summarized in the following paragraphs:

The organic act of the territory of Utah, enacted in 1851, did not mention the subject of irrigation, but the territorial legislature disposed of water rights by direct grant and also delegated this power to the county courts of the several counties. Many such grants were made both by the legislature and by the county courts in some counties.

IRRIGATION—UTAH.

The act of February 20, 1880, provided for the recording of vested rights to the use of water and for regulating their exercise. The county selectmen were made water commissioners for their respective counties and were empowered to hear and determine all claims to the use of water, and to issue certificates showing their findings. No suits were to be maintained in the courts until the commissioners had acted, but appeal might be taken to the courts.

The constitution of the state of Utah, adopted in 1896, declares (Art. XVII) that "all existing rights to any waters of this state for any useful or beneficial purpose are hereby recognized and confirmed."

The act of March 11, 1897, provided that any party desiring to appropriate water should post a notice at the intended point of diversion and in the nearest post office and should file a copy of the notice in the county records.

The act of March 12, 1903, provided that parties wishing to appropriate water should apply to the state engineer for permits, and for the issuing of certificates by the state engineer when works have been completed and water used in accordance with the terms of the permits.

The same act provided a special procedure for the adjudication of water rights. The state engineer was to make surveys and collect information regarding rights, and submit reports to the appropriate district courts. The courts were to determine rights on the basis of these reports and any testimony they might take. This act is still in force, but has not been utilized to any large extent. Many rights have been adjudicated in ordinary suits between claimants.

Riparian rights are not recognized in Utah.

TABLE 6.—ACREAGE IRRIGATED, CLASSIFIED BY CHARACTER OF RIGHTS UNDER WHICH WATER IS RECEIVED: 1919 AND 1909.

CLASS.	1919		1909	
	Acres.	Per cent of total.	Acres.	Per cent of total.
Total.....	1,371,051	100.0	100.0	
Appropriation and use.....	469,944	34.3	51.5	
Notice filed and posted.....	171,055	12.5	6.2	
Adjudicated by court.....	581,080	42.4	35.1	
Permit from state.....	56,061	4.1	3.0	
Certificate or license from state.....	66,778	4.9	3.2	
Underground.....	8,331	0.6	(1)	
Other and mixed.....	4,077	0.3	(1)	
Not reported.....	13,125	0.9	(1)	

¹ All land for which the class of water rights was not reported was included in "Appropriation and use."

ACREAGE, BY DRAINAGE BASIN.

The report of a special census taken in 1902 presented all data by drainage basins rather than by counties. The results of the census of 1920 have been tabulated on the same basis, and the data for 1902 are presented for purposes of comparison. For no other census have the results been tabulated in this form. The acreage reported for each drainage basin in 1919 comprises all the irrigated land in that drainage basin, including that watered from springs and wells. In the 1902 results the acreages irrigated from springs and wells were not reported for the smaller tributary streams, but the acreages for the tributaries were included in those reported for the main streams. This area is so small, however, that the comparison of the areas reported for the tributary streams is not seriously affected.

TABLE 7.—ACREAGE IRRIGATED, CLASSIFIED BY DRAINAGE BASIN: 1919 AND 1902.

DRAINAGE BASIN.	AREA IRRIGATED (ACRES).			Area entered in enter- prises, 1920 (acres).	Area enter- prise were capab- le of irrig- ating 1920 (acres)
	1919	1902	Per cent of in- crease. ¹		
Total	1,371,051	713,621	92.2	2,359,244	1,700,5
Tributaries of Great Salt Lake.....	570,803	402,406	41.0	830,075	660,2
Bear River and tributaries.....	202,681	141,616	43.1	272,100	218,6
Bear River direct.....	104,731	48,560	115.7	161,328	117,5
Little Bear River.....	46,541	38,592	20.0	48,358	40,8
Malad River.....	1,189	(2)		1,035	1,1
Other tributaries of Bear River.....	50,220	34,464	-7.8	60,470	52,4
Weber River and tributaries.....	97,589	80,355	21.4	149,081	112,0
Weber River direct.....	44,726	41,987	6.6	83,700	49,3
Ogden River.....	21,884	22,373	-2.2	26,972	26,8
East Canyon Creek.....	0,202	4,414	40.5	6,538	0,4
Other tributaries of Weber River.....	24,777	31,601	113.6	31,050	30,3
Jordan River and Utah Lake and tributaries.....	270,598	180,435	50.0	414,804	320,2
Jordan River direct.....	48,052	32,401	48.3	90,495	55,7
Big Cottonwood Creek.....	10,991	8,813	24.7	13,207	12,2
Little Cottonwood Creek.....	12,144	7,073	58.3	16,098	10,0
American Fork River.....	10,140	20,446	-6.4	20,371	20,2
Provo River.....	54,782	36,939	48.3	62,703	50,0
Hobble Creek.....	5,620	18,424	-69.5	6,550	5,9
Spanish Fork River.....	61,434	23,778	168.4	96,170	83,1
Other tributaries of Jordan River and Utah Lake.....	58,420	31,961	82.8	108,655	78,5
Sevier River and tributaries.....	325,718	131,048	148.5	630,484	402,3
Sevier River direct.....	153,651	59,257	150.3	351,553	226,1
San Pitch River.....	77,610	42,502	82.0	105,519	78,3
Otter Creek.....	7,280	5,260	38.6	7,845	7,2
South Fork.....	18,325	8,405	242.3	32,020	19,1
Other tributaries of Sevier River.....	68,837	20,534	235.2	132,947	71,3
Green River and tributaries.....	230,877	53,034	420.8	510,420	385,6
Green River direct.....	2,541	1,372	85.2	3,020	3,0
Ashley Fork River.....	26,787	16,834	60.2	44,037	44,0
Duchesne River.....	138,440	(2)		322,689	217,8
Price River.....	23,811	6,621	259.0	37,101	24,8
San Rafael River.....	77,290	21,540	258.7	85,028	80,0
Other tributaries of Green River.....	12,002	8,501	40.2	17,802	15,8
Grand River and tributaries.....	9,740	3,843	153.4	24,015	18,5
Colorado River and tributaries.....	71,950	34,845	106.5	171,054	92,8
Fremont River.....	26,513	15,701	68.9	42,005	34,0
Virgin River.....	27,100	10,741	152.4	82,450	35,5
San Juan River.....	9,554	(2)		26,646	14,1
Other tributaries of Colorado River.....	8,780	3,8,403	4.6	10,953	9,1
Independent streams.....	112,480	87,545	28.5	186,500	140,8
Beaver River.....	28,732	15,590	84.2	53,729	46,4
Coal Creek.....	27,206	2,845	866.3	60,901	33,8
Deep Creek.....	1,083	1,515	30.9	4,320	3,4
Grouse Creek.....	3,469	900	250.4	4,599	3,6
Other independent streams.....	51,099	60,500	-23.3	63,045	53,4

¹ A minus sign (—) denotes decrease.

² Included in "Other tributaries" in 1902.

³ Includes springs and wells.

CAPITAL INVESTED AND COST OF OPERATION AND MAINTENANCE.

TABLE 8.—CAPITAL INVESTED IN IRRIGATION ENTERPRISES: 1890 TO 1920.

CENSUS YEAR.	Amount.	Per cent of increase.	AVERAGE PER ACRE	
			Amount.	Per cent of increase.
1920.....	\$32,037,351	128.4	\$18.84	67.
1910.....	14,028,717	139.2	11.22	20.
1900.....	5,805,302	111.0	9.32	-11.
1890.....	2,780,000	(1)	10.55	

¹ A minus sign (—) denotes decrease.

IRRIGATION—UTAH.

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TABLE 9.—CAPITAL INVESTED, CLASSIFIED BY DATE OF BEGINNING.

DATE OF BEGINNING.	Amount.	Per cent of total.	Average per acre.
Total.....	\$32,037,351	100.0	\$18.84
Before 1860.....	1,883,633	5.9	15.84
1860-1869.....	1,630,394	5.1	10.93
1870-1879.....	2,495,342	7.8	11.19
1880-1889.....	4,723,282	14.8	14.12
1890-1899.....	2,332,321	7.3	18.65
1900-1904.....	807,149	2.5	8.81
1905-1909.....	10,322,503	32.2	25.50
1910-1914.....	5,113,078	16.0	42.09
1915-1919.....	1,863,298	5.8	29.04
Not reported.....	850,451	2.6	12.77

TABLE 10.—CAPITAL INVESTED, 1920, AND COST OF OPERATION AND MAINTENANCE, 1919, CLASSIFIED BY SOURCE OF WATER SUPPLY.

[When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.]

CLASS.	CAPITAL INVESTED, 1920.			OPERATION AND MAINTENANCE, 1919.	
	Amount.	Per cent of total.	Average per acre.	Area for which cost is reported (acres).	Average cost per acre. ¹
Total.....	\$32,037,351	100.0	\$18.84	1,122,456	\$1.08
Streams, gravity.....	26,503,462	82.7	10.20	910,594	1.01
Streams, pumped.....	733,077	2.3	44.23	7,444	5.16
Streams, pumped and gravity.....	5,100	(*)	25.50	.....	.....
Wells, pumped.....	153,091	0.5	11.83	6,212	2.08
Wells, flowing.....	167,152	0.5	29.29	766	1.79
Wells, flowing and pumped.....	18,571	0.1	71.15	27	9.48
Lakes, pumped.....	565,000	1.8	29.74	28,400	3.58
Lakes, gravity.....	75,281	0.2	4.65	13,877	0.25
Springs.....	869,214	2.7	10.26	26,858	0.75
Stored storm water.....	31,803	0.3	50.50	857	2.23
City water.....	800	(*)	32.00	.....	.....
Streams, gravity, and pumped wells.....	22,000	0.1	94.42	85	2.94
Streams, gravity, and flowing wells.....	11,822	(*)	19.87	203	0.49
Other mixed.....	2,828,242	8.8	14.01	130,126	0.94
Other and not reported.....	2,736	(*)	38.64	17	1.70

¹ Based on area irrigated in 1919.

² Less than one-tenth of 1 per cent.

TABLE 11.—CAPITAL INVESTED, CLASSIFIED BY DRAINAGE BASIN: 1920 AND 1902.

DRAINAGE BASIN.	INCREASE. ¹	
	1920	1902
Total	\$32,037,351	\$7,303,607
Tributaries of Great Salt Lake.....	14,102,393	5,017,457
Bear River and tributaries.....	3,430,663	2,397,638
Bear River direct.....	2,150,603	2,082,254
Little Bear River.....	720,363	163,170
Malad River.....	18,097	(*)
Other tributaries of Bear River.....	541,000	3,172,214
Weber River and tributaries.....	2,106,048	795,837
Weber River direct.....	1,353,823	549,432
Eden River.....	423,755	168,406
East Canyon Creek.....	74,010	22,890
Other tributaries of Weber River.....	254,900	354,4
Jordan River and Utah Lake and tributaries.....	8,565,082	1,822,082
Jordan River direct.....	746,886	753,100
Big Cottonwood Creek.....	315,503	45,590
Little Cottonwood Creek.....	226,221	25,825
American Fork River.....	302,449	162,130
Provo River.....	985,979	328,691
Hobble Creek.....	41,024	32,588
Spanish Fork River.....	4,126,999	123,930
Other tributaries of Jordan River and Utah Lake.....	1,820,611	351,128
Sevier River and tributaries.....	9,509,836	808,872
Sevier River direct.....	7,002,349	443,032
San Pitch River.....	1,142,510	225,536
Otter Creek.....	151,850	18,355
South Fork.....	372,626	15,680
Other tributaries of Sevier River.....	840,501	103,299

¹ A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.

² Included in "Other tributaries" in 1902.

³ Includes springs and wells.

TABLE 11.—CAPITAL INVESTED, CLASSIFIED BY DRAINAGE BASIN: 1920 AND 1902—Continued.

DRAINAGE BASIN.	1920		1902		INCREASE. ¹
	Amount.	Per cent.	Amount.	Per cent.	
Green River and tributaries.....	\$4,154,660	.....	\$508,374	.....	\$3,646,286 717.2
Green River direct.....	376,325	.....	26,150	.....	350,175
Ashley Fork River.....	374,140	.....	57,335	.....	316,305 516.9
Duchesne River.....	2,428,174	(*)	.....	.....	.....
Price River.....	458,725	.....	41,719	.....	417,006 999.6
San Rafael River.....	288,100	.....	295,850	.....	-7,750 -2.6
Other tributaries of Green River.....	229,196	.....	88,820	.....	142,370 164.0
Grand River and tributaries.....	219,480	.....	13,760	.....	205,720
Colorado River and tributaries.....	2,203,203	.....	441,845	.....	1,761,358 398.6
Fremont River.....	507,050	.....	189,350	.....	377,670 199.4
Virgin River.....	1,257,981	.....	155,515	.....	1,102,466 708.9
San Juan River.....	206,458	(*)	.....	.....	.....
Other tributaries of Colorado River.....	171,714	.....	306,950	.....	74,764 77.1
Independent streams.....	1,847,770	.....	513,299	.....	1,334,471 260.0
Beaver River.....	342,305	.....	65,325	.....	276,980
Coyote Creek.....	179,171	.....	7,076	.....	172,095
Deep Creek.....	8,844	.....	6,692	.....	2,152 32.2
Grouse Creek.....	28,388	.....	2,550	.....	25,458 894.3
Other independent streams.....	789,112	.....	431,356	.....	357,756 32.9

¹ A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.

² Included in "Other tributaries" in 1902.

³ Includes springs and wells.

In classifying capital invested by type of enterprise (Table 12) the average capital invested per acre is not presented, for the reason that it is not possible to compute this correctly. The United States Reclamation Service supplies stored water to enterprises controlled by agencies of most of the other classes shown in the table and a part of its expenditure is properly chargeable to those lands; but it is not possible to tell how much should be so charged or how it should be distributed among the various classes.

TABLE 12.—CAPITAL INVESTED, 1920, AND COST OF OPERATION AND MAINTENANCE, 1919, CLASSIFIED BY CHARACTER OF ENTERPRISE.

[When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.]

CLASS.	CAPITAL INVESTED, 1920.		OPERATION AND MAINTENANCE, 1919.	
	Amount.	Per cent of total.	Area for which cost is reported (acres).	Average cost per acre. ¹
Total	\$32,037,351	100.0	1,122,456	\$1.08
Individual and partnership.....	2,738,804	.....	64,612	2.48
Cooperative.....	20,254,212	.....	895,509	0.87
Irrigation district.....	265,484	0.8	19,143	0.71
Carey Act.....	1,323,779	4.1	16,000	0.60
Commercial.....	2,374,991	7.4	70,431	2.71
U. S. Reclamation Service.....	3,567,057	11.1	20,255	1.30
U. S. Indian Service.....	755,354	2.4	.....	.....
City.....	729,090	2.8	24,266	1.08
Other.....	20,580	0.1	3,300	0.83

¹ Based on area irrigated in 1919.

DRAINAGE OF IRRIGATED LAND.

The acreages reported in Table 13 relate to lands within the boundaries of irrigation projects, and do not include lands within the vicinity of these projects.

"Additional acreage needing drainage" includes all lands so reported by the owners of the enterprises, and includes lands producing partial crops as well as those wholly unproductive.

IRRIGATION—UTAH.

TABLE 13.—ACREAGE WITHIN IRRIGATION ENTERPRISES FOR WHICH DRAINS HAVE BEEN INSTALLED AND ADDITIONAL ACREAGE IN NEED OF DRAINAGE: 1920.

Number of enterprises reporting land drained or needing drainage.....	143
Acreage included in enterprises reporting land drained or needing drainage.....	503,212
Acreage for which drains have been installed.....	85,448
Additional acreage needing drainage.....	91,976
Percent that acreage for which drains have been installed is of total acreage included in enterprises reporting drainage.....	17.0
Percent that acreage for which drains have been installed is of total acreage included in irrigation enterprises in the state.....	3.6
Percent that acreage for which drains have been installed plus that needing drainage is of total acreage included in irrigation enterprises in the state.....	7.5

QUANTITY OF WATER USED.

The quantity of water used in 1919 was reported on only part of the irrigation schedules, and the figures given vary greatly. In order that proper values may be assigned to the figures given, those representing measurements and those representing

estimates are reported separately in Table 14. While the data are incomplete, the reports represent sufficient acreages to serve as bases for reliable averages.

TABLE 14.—QUANTITY OF WATER USED IN 1919.

ITEM.	Total.	Measured.	Not measured.
Average volume entering canals.....second-feet.	48,620	15,106	33,523
Area irrigated in 1919.....acres.	937,243	720,715	216,528
Average number of acres per second-foot.....	10	48	6
Total quantity entering canals.....acre-feet.	3,554,233	2,708,931	845,302
Area irrigated in 1919.....acres.	982,514	770,348	212,166
Average quantity per acre.....acre-feet.	3.6	3.5	4.0
Total quantity of water delivered.....acre-feet.	1,718,760	729,360	989,409
Area irrigated in 1919.....acres.	353,424	188,406	105,018
Average quantity per acre.....acre-feet.	4.9	3.9	6.0

IRRIGATION WORKS.

TABLE 15.—IRRIGATION WORKS, CLASSIFIED BY DATE OF BEGINNING.

DATE OF BEGINNING.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.			RESERVOIRS.	
			Number.	Capacity (second-feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).	
Total.....	1,479	307	2,381	29,447	6,343	4,068	5,334	476	1,600,605	
Before 1860.....										
1860-1869.....	168	18	204	1,723	412	678	502	32	3,638	
1870-1879.....	205	9	366	3,145	711	615	530	22	30,558	
1880-1889.....	245	29	317	3,556	927	706	644	35	8,059	
1890-1899.....	311	127	449	6,042	1,384	827	768	71	72,113	
1900-1909.....	190	26	315	2,400	738	289	286	50	47,447	
1905-1909.....	34	9	114	2,047	291	136	157	34	16,080	
1910-1914.....	170	31	177	6,114	812	430	1,037	48	688,990	
1915-1919.....	63	16	147	2,423	459	227	1,205	71	448,334	
Not reported.....	66	38	117	1,813	250	85	109	52	283,066	
	27	4	175	684	391	80	87	61	2,170	
<hr/>										
DATE OF BEGINNING.	Pipe lines, length (miles).		FLOWING WELLS.			PUMPED WELLS.			PUMPING PLANTS.	
			Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse-power).	Number.	Capacity (gallons per minute).
Total.....	154.7	1,256	96,371	192	39,050	250	11,392	291	783,588	
Before 1860.....										
1860-1869.....	22.1	15	1,915	7	2,210	15	134	18	7,980	
1870-1879.....	5.0	14	177	2	550	5	84	5	4,600	
1880-1889.....	22.8	9	137			3	1,840	9	6,400	
1890-1899.....	41.8	38	6,162			4	1,060	0	524,680	
1900-1909.....	13.4	109	4,640	15	2,228	12	50	13	1,378	
1905-1909.....	2.5	126	6,356	6	1,620	10	120	11	6,740	
1910-1914.....	10.2	248	24,102	19	3,880	22	1,989	28	53,202	
1915-1919.....	9.8	122	8,955	34	8,782	43	3,480	51	60,435	
Not reported.....	18.1	168	17,833	71	16,833	104	2,332	112	108,373	
	407	26,034	38	2,906	32	303	303	35	9,330	

TABLE 16.—IRRIGATION WORKS, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920.

CLASS.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.			RESERVOIRS.	
			Number.	Capacity (second-feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).	
Total.....	1,479	307	2,381	29,447	6,343	4,068	5,334	476	1,600,605	
Individual and partnership.....	408	48	1,422	4,627	2,077	323	956	313	46,231	
Cooperative.....	1,017	241	21,502	3,768	3,284	3,514	143	703,209		
Irrigation district.....	87	5	33	292	83	27	53	5	260,972	
Carey Act.....	1	1	1	500	7	20	65	2	252,500	
Commercial.....	6	2	14	1,266	236	49	78	2	27,000	
U. S. Reclamation Service.....	1	2	3	820	28	35	71	1	250,000	
U. S. Indian Service.....	2		18	3	93	201	392			
City.....	7	8	17	426	60	129	175	10		503
Other and not reported.....			1	22	1					

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TABLE 16.—IRRIGATION WORKS, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920—Continued.

CLASS.	Pipe lines, length (miles).	FLOWING WELLS.		PUMPED WELLS.		PUMPING PLANTS.			
		Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse- power).	Number.	Capacity (gallons per minute).
Total.....	154.7	1,256	96,371	192	39,059	250	11,392	291	783,588
Individual and partnership.....	68.8	1,092	75,999	181	31,829	220	2,540	231	108,943
Cooperative.....	73.1	164	20,372	11	7,230	20	3,502	40	267,145
Commercial.....	3.6					3	4,350	12	27,000
Irrigation districts.....	1.2					1	1,000	8	382,500
City.....	8.0								

TABLE 17.—IRRIGATION WORKS, CLASSIFIED BY DRAINAGE BASIN: 1920.

DRAINAGE BASIN.	Number of diverting dams.	Number of storage dams.	MAIN DITCHES.			LATERAL DITCHES.		RESERVOIRS.	
			Number.	Capacity (second- feet).	Length (miles).	Number.	Length (miles).	Number.	Capacity (acre-feet).
Total.....	1,470	307	2,381	29,447	6,343	4,068	5,384	476	1,600,505
Tributaries of Great Salt Lake.....	576	71	1,057	13,165	2,435	1,672	2,068	164	568,177
Bear River and tributaries.....	118	17	319	4,253	781	479	320	48	2,026
Bear River direct.....	8	1	40	2,264	322	17	74	2	—
Little Bear River.....	47	6	104	1,074	185	395	183	4	4
Maled River.....	2	1	3	13	10	—	—	1	2
Other tributaries of Bear River.....	61	9	172	902	254	67	63	41	2,020
Weber River and tributaries.....	256	18	391	2,823	570	146	106	52	30,794
Weber River direct.....	72	1	101	1,417	181	53	46	5	22
Ogden River.....	27		73	480	109	57	29	4	4
East Canyon Creek.....	38	1	40	179	49	5	5	2	28,004
Other tributaries of Weber River.....	110	16	177	747	231	31	26	41	2,764
Jordan River and Utah Lake and tributaries.....	202	36	347	6,089	1,084	1,047	1,642	64	535,357
Jordan River direct.....	14	4	20	1,151	296	101	26	3	600
Big Cottonwood Creek.....	32	3	27	228	58	160	31	4	300
Little Cottonwood Creek.....	21	1	36	650	60	50	45	1	750
American Fork River.....	27		23	70	43	63	130	4	—
Provo River.....	31	11	99	1,752	304	416	262	21	6,681
Hobble Creek.....	1		13	31	9	10	4	1	2
Spanish Fork River.....	12	6	46	1,358	93	95	202	8	502,116
Other tributaries of Jordan River and Utah Lake.....	64	11	88	849	221	152	942	22	24,008
Sevier River and tributaries.....	95	50	321	7,762	1,391	903	1,105	63	869,405
Sevier River direct.....	23	13	44	4,683	468	330	508	14	741,900
San Pitch River.....	26	20	80	970	372	254	401	21	30,698
Otter Creek.....	2	3	12	86	42	24	9	3	3,900
South Fork.....	9		32	381	114	65	42	2	24,015
Other tributaries of Sevier River.....	35	14	153	1,632	395	280	235	23	68,892
Green River and tributaries.....	414	11	239	4,047	1,047	775	1,404	15	51,019
Green River direct.....	2		10	71	29	12	—	—	—
Ashley Fork River.....	109		18	113	75	8	15	7	—
Duchesne River.....	156	8	106	2,416	543	306	771	2	41,871
Price River.....	13	1	54	636	161	87	34	6	1,248
San Rafael River.....	11	2	30	591	170	401	570	6	8,800
Other tributaries of Green River.....	123		21	220	69	11	14	—	—
Grand River and tributaries.....	36	5	80	286	182	44	24	6	13,152
Colorado River and tributaries.....	260	129	303	1,693	570	229	219	56	25,542
Fremont River.....	148	117	43	548	121	87	65	13	4,078
Virgin River.....	85	7	164	645	263	89	86	21	19,655
San Juan River.....	16	4	38	332	75	32	47	11	1,485
Other tributaries of Colorado River.....	11	1	58	168	111	21	21	11	324
Independent streams.....	98	41	881	2,494	768	445	424	172	72,310
Beaver River.....	36	14	128	775	210	196	229	9	40,555
Coal Creek.....	22	2	58	1,158	136	97	63	63	987
Deep Creek.....	3		21	50	38	—	—	2	—
Grouse Creek.....	14	3	29	35	45	152	182	1	10
Other independent streams.....	23	22	145	476	341	97	97	97	30,778

IRRIGATION—UTAH.

TABLE 17.—IRRIGATION WORKS, CLASSIFIED BY DRAINAGE BASIN: 1920—Continued.

DRAINAGE BASIN.	Pipe lines, length (miles).	FLOWING WELLS.		PUMPED WELLS.		PUMPING PLANTS.				Average lift (feet).	
		Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).	Number.	Engine capacity (horse- power).	Pumps.			
								Number.	Capacity (gallons per minute).		
Total.....	154.7	1,256	96,371	192	39,059	250	11,392	291	783,588	25	
Tributaries of Great Salt Lake.....	100.3	395	34,780	68	16,067	137	9,917	107	686,245	33	
Bear River and tributaries.....	14.7	114	5,167	57	11,507	97	2,443	103	103,370	42	
Bear River direct.....	1.2	.....	.....	2	902	26	1,078	29	74,845	41
Little Bear River.....	2.0	29	3,025	.....	.....	4	50	4	3,740	18
Mahan River.....	.....	2	219	.....	.....	.....	.....	.....	.....	.....
Other tributaries of Bear River.....	11.5	83	1,923	55	10,695	67	715	70	24,795	44	
Weber River and tributaries.....	8.2	33	1,358	6	1,840	28	232	25	27,145	16	
Weber River direct.....	1.3	12	388	.....	.....	9	106	10	6,915	14
Ogden River.....	1.8	9	320	1	230	1	7	1	230	33	
Other tributaries of Weber River.....	5.1	12	650	5	1,410	13	119	14	20,300	17	
Jordan River and Utah Lake and tributaries.....	77.4	248	28,255	5	2,880	17	7,242	39	555,730	38	
Jordan River direct.....	0.3	9	130	.....	.....	5	4,300	20	388,500	19
Big Cottonwood Creek.....	2.0	9	92	.....	.....	1	1	1	500	25
American Fork River.....	2.2	27	2,665	1	900	3	23	3	1,830	21	
Provo River.....	1.2	61	11,718	1	830	1	20	1	900	45	
Hobble Creek.....	.....	18	768	1	.....	1	6	1	.....	14
Spanish Fork River.....	9.8	21	1,390	.....	.....	.....	.....	.....	.....	.....
Other tributaries of Jordan River and Utah Lake.....	61.9	103	11,496	2	1,100	6	2,892	13	164,000	35	
Sevier River and tributaries.....	9.0	258	38,863	3	178	8	117	10	18,318	30	
Sevier River direct.....	1.9	184	27,127	.....	.....	1	.....	2	11,250	.....
San Pitch River.....	3.4	16	3	1	150	1	5	1	450	4	
Otter Creek.....	.....	6	112	.....	.....	.....	.....	.....	.....	.....
Other tributaries of Sevier River.....	3.7	52	11,621	2	28	6	112	7	6,618	35	
Green River and tributaries.....	0.9	.....	.....	1	1,350	10	545	13	30,315	29
Green River direct.....	0.3	.....	.....	1	1,350	8	537	10	11,580	26
Duchesne River.....	.....	.....	.....	1	.....	1	.....	2	27,000	70
Price River.....	0.6	.....	.....	.....	.....	1	8	1	735	10
Other tributaries of Green River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand River and tributaries.....	0.6	.....	.....	.....	.....	10	212	10	17,812	19
Colorado River and tributaries.....	11.4	6	106	3	1,500	3	32	3	900	80	
Fremont River.....	1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virgin River.....	3.2	4	106	3	1,500	3	32	3	900	80	
San Juan River.....	7.0	2	90	.....	.....	.....	.....	.....	.....	.....
Other tributaries of Colorado River.....	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Independent streams.....	32.5	597	22,532	117	19,964	82	569	88	20,998	14	
Beaver River.....	1.5	1	.....	11	3,610	9	91	9	4,010	21
Coal Creek.....	0.7	185	9,955	41	10,500	20	270	24	10,400	47	
Grouse Creek.....	.....	.....	.....	1	265	1	6	3	205	240
Other independent streams.....	30.3	461	12,577	64	5,589	52	202	52	6,323	9	

IRRIGATION—UTAH.

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CROPS.

TABLE 18.—ACREAGE, YIELD, AND VALUE OF PRINCIPAL CROPS GROWN ON IRRIGATED LAND, AND COMPARISONS WITH TOTALS FOR THE STATE: 1919 AND 1909.

[Totals for the state, used in making comparisons, are shown in state bulletin on agriculture.]

CROP.	AREA HARVESTED.					QUANTITY HARVESTED.				
	1919		1909		Percent of in- crease. ¹	Unit.	1919		1909	
	Acres.	Percent of total for state.	Acres.	Percent of total for state.			Amount.	Percent of total for state.	Amount.	Percent of total for state.
Cereals:										
1 Corn.....	9,028	65.2	6,752	92.9	33.7	Bu.	198,560	72.9	155,890	91.9
2 Oats.....	52,095	85.2	74,687	92.4	-29.4	Bu.	1,580,574	90.5	3,065,654	95.2
3 Winter wheat.....	41,289	27.6	72,293	40.5	83.7	Bu.	548,708	28.9	2,059,709	52.2
4 Spring wheat.....	91,533	77.0	15,938	59.6	-25.4	Bu.	1,895,241	86.1	309,724	84.8
5 Barley.....	11,884	74.6	1,396	26.7	178.8	Bu.	27,915	38.5	678,240	76.1
6 Rye.....	3,892	37.5	1,396	26.7	27,412	Bu.	27,412	41.7	27,412	1.8
Hay and forage:										
7 Timothy alone.....	11,972	89.7	10,852	64.5	10.3	Tons.	19,200	91.1	23,685	60.2
8 Timothy and clover mixed.....	31,284	94.8	3,429	29.8	812.3	Tons.	50,953	94.4	7,745	32.1
9 Clover alone.....	2,136	75.0	281	38.6	600.1	Tons.	3,388	83.7	629	35.1
10 Alfalfa.....	342,635	93.8	250,210	88.0	36.9	Tons.	738,746	98.8	724,395	91.5
11 Other tame grasses.....	22,341	88.0	15,750	80.4	41.8	Tons.	29,999	88.6	26,884	82.8
12 Grains cut green.....	9,320	59.8	1,057	68.6	932.7	Tons.	14,985	85.2	1,851	70.5
13 Annual legumes cut for hay.....	1,596	87.2	5.0	—	—	Tons.	3,601	89.0	89,609	904.1
14 Wild, salt, or prairie grasses.....	67,844	83.2	64,160	94.5	5.0	Tons.	78,886	82.9	—	—
15 Corn cut for forage.....	3,837	57.8	(*)	—	—	Tons.	9,557	75.7	(*)	—
16 Silage crops.....	3,377	86.8	(*)	—	—	Tons.	27,284	86.9	(*)	—
17 Root crops for forage.....	733	78.6	(*)	—	—	Tons.	7,024	78.8	(*)	—
Vegetables:										
18 Potatoes.....	10,758	89.3	13,264	93.3	-18.9	Bu.	1,550,886	94.6	2,237,609	92.0
19 Green peas.....	2,055	84.4	(*)	—	—	Bu.	—	—	—	—
20 Tomatoes.....	3,428	94.0	(*)	—	—	Bu.	—	—	—	—
Fruits:										
21 Grapes.....	893,344	45.5	(*)	—	—	Lbs.	535,307	48.8	(*)	—
22 Apples.....	4,594,168	81.8	(*)	—	—	Bu.	759,624	99.6	(*)	—
23 Peaches.....	4,510,350	93.7	(*)	—	—	Bu.	854,342	96.7	(*)	—
24 Pears.....	4,40,201	89.8	(*)	—	—	Bu.	65,861	86.6	(*)	—
25 Plums and prunes.....	4,55,925	83.6	(*)	—	—	Bu.	44,112	87.0	(*)	—
26 Cherries.....	4,94,612	84.0	(*)	—	—	Bu.	107,238	86.8	(*)	—
Miscellaneous:										
27 Sugar beets grown for sugar.....	92,439	99.0	26,032	94.8	255.1	Tons.	921,418	99.0	393,897	95.2
28 Clover and alfalfa seed ^b	0,602	72.3	8,083	60.8	19.9	Bu.	46,125	75.5	36,366	69.7

CROP.	AVERAGE YIELD PER ACRE, 1919.					VALUE.				
	Unit.	For state.	On irrigated land.			1919		1909		Per cent of in- crease. ¹
			On non- irrigated land.	Average.	Per cent of average for state.	Per cent of average on non- irrigated land.	Amount.	Per cent of total for state.	Amount.	
Cereals:										
1 Corn.....	Bu.	10.2	14.0	21.4	111.5	143.6	\$377,442	72.9	\$125,379	93.3
2 Oats.....	Bu.	27.9	17.9	29.6	106.1	165.4	1,872,689	90.5	1,578,417	94.5
3 Winter wheat.....	Bu.	12.7	12.5	13.8	104.7	106.4	1,207,153	28.9	2,006,852	53.3
4 Spring wheat.....	Bu.	18.5	11.2	20.7	111.9	184.8	4,109,530	86.1	3,167,900	167.9
5 Barley.....	Bu.	23.9	13.7	28.1	114.0	190.5	526,531	84.8	369,201	78.1
6 Rye.....	Bu.	7.0	6.9	7.2	102.9	104.3	57,220	38.5	18,206	39.3
Hay and forage:										
7 Timothy alone.....	Tons.	1.58	1.37	1.60	101.3	118.8	508,800	91.1	211,763	69.0
8 Timothy and clover mixed.....	Tons.	1.63	1.62	1.03	100.0	100.6	1,324,778	94.4	68,105	30.9
9 Clover alone.....	Tons.	1.42	0.93	1.58	111.3	169.9	74,426	83.7	6,221	35.3
10 Alfalfa.....	Tons.	2.05	0.45	2.16	105.4	480.0	18,838,023	98.6	5,425,453	91.2
11 Other tame grasses.....	Tons.	1.32	1.14	1.34	101.5	117.5	629,979	89.6	198,068	88.3
12 Grains cut green.....	Tons.	1.13	0.41	1.61	142.5	392.7	299,700	85.2	14,470	70.6
13 Annual legumes cut for hay.....	Tons.	2.21	1.90	2.28	102.3	118.9	72,020	89.0	525,401	99.1
14 Wild, salt, or prairie grasses.....	Tons.	1.18	1.20	1.17	99.2	97.6	1,498,834	82.0	—	185.3
15 Corn cut for forage.....	Tons.	1.90	1.09	2.49	131.1	228.4	129,020	75.7	(*)	—
16 Silage crops.....	Tons.	8.07	7.98	8.08	100.1	101.3	272,840	86.9	(*)	—
17 Root crops for forage.....	Tons.	0.55	9.45	9.58	100.3	101.4	136,968	78.8	(*)	—
Vegetables:										
18 Potatoes.....	Bu.	136.8	80.1	145.0	106.0	200.8	3,305,898	94.6	805,094	92.1
19 Green peas.....	Bu.	—	—	—	—	—	133,259	84.2	(*)	—
20 Tomatoes.....	Bu.	—	—	—	—	—	483,659	93.3	(*)	—
Fruits:										
21 Grapes.....	Lbs.	65.4	31.1	65.7	105.6	183.9	32,148	48.6	(*)	—
22 Apples.....	Bu.	11.0	(*)	71.8	130.0	130.0	1,301,923	99.6	(*)	—
23 Peaches.....	Bu.	71.6	70.8	71.6	100.0	200.0	1,366,947	96.7	(*)	—
24 Pears.....	Bu.	71.5	71.8	71.4	93.3	77.8	135,015	86.6	(*)	—
25 Plums and prunes.....	Bu.	70.8	70.6	70.8	100.0	133.3	77,196	87.0	(*)	—
26 Cherries.....	Bu.	71.1	70.9	71.1	100.0	122.2	348,524	86.8	(*)	—
Miscellaneous:										
27 Sugar beets grown for sugar.....	Tons.	9.97	9.79	9.97	100.0	101.8	9,951,314	99.0	1,777,435	95.6
28 Clover and alfalfa seed ^b	Bu.	4.6	4.0	4.8	104.3	120.0	922,500	75.5	213,104	68.3

¹ A minus sign (—) denotes decrease. Per cent not shown when more than 1,000.^a Number of vines of bearing age.^b Number of trees of bearing age.^c Not reported separately in 1909.^d Average yield per vine.^e Average yield per tree.^f Returns not sufficient to justify an average.

IRRIGATION—UTAH.

COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910.

[A minus sign (—) denotes decrease.]

		THE STATE.	Beaver.	Box Elder.	Cache.	Carbon.	Dag- gett. ¹	Davis.	Duchesne. ²	Emery.	Garfield.
1	Number of all farms in 1920.....	25,602	373	1,859	2,242	235	37	1,172	1,248	759	540
2	Number of farms irrigated in 1919.....	22,218	843	1,538	1,969	181	36	1,096	1,188	727	410
3	Per cent of all farms.....	86.6	92.0	82.7	87.8	77.0	97.3	93.5	95.2	95.8	75.0
4	Number of farms irrigated in 1909.....	19,709	313	1,271	1,501	169	.....	1,193	.....	664	383
5	Per cent of increase, 1909-1919.....	12.7	9.6	21.0	31.2	7.1	.....	-8.1	.....	9.5	7.0
	LAND AND FARM AREA.										
6	Approximate land area.....acres..	52,597,760	1,702,400	3,484,160	744,960	951,680	544,000	176,000	2,090,240	2,849,920	3,349,760
7	All land in farms.....acres..	5,050,410	52,626	542,348	317,698	35,899	18,665	98,732	252,031	105,268	113,712
8	Improved land in farms.....acres..	1,715,380	33,094	219,657	188,654	12,117	5,104	52,029	96,607	43,587	33,738
9	Area irrigated in 1919.....acres..	1,371,851	28,103	86,734	94,705	21,076	6,572	19,468	90,435	91,145	27,037
10	Per cent of improved land in farms.....	80.0	84.9	39.5	51.6	178.9	128.8	37.4	93.5	209.1	80.3
11	Area irrigated in 1909.....acres..	999,410	24,480	75,926	77,330	11,620	.....	25,291	.....	46,776	26,437
12	Per cent of increase, 1909-1919.....	37.2	15.0	14.2	22.5	80.5	.....	-23.0	.....	94.0	2.5
13	Area enterprises were capable of irrigating in 1920.....acres..	1,700,550	45,829	100,633	96,619	22,458	10,599	19,530	140,100	98,933	27,353
14	Area enterprises were capable of irrigating in 1910.....acres..	1,250,246	26,630	94,133	82,503	30,362	.....	25,447	.....	50,524	33,532
15	Per cent of increase, 1910-1920.....	38.0	72.1	6.9	17.1	.....	-27.2	.....	-23.2	.....	95.8
16	Area included in enterprises in 1920.....acres..	2,350,244	52,180	145,465	100,507	33,381	10,600	20,375	225,959	112,943	54,908
17	Area included in enterprises in 1910.....acres..	1,947,626	31,931	129,034	119,304	40,778	.....	38,245	.....	87,303	40,322
18	Per cent of increase, 1910-1920.....	21.1	68.2	12.7	-15.8	-18.1	.....	-42.2	.....	29.4	11.5
19	Area of irrigated land reported as available for settlement.....acres..	189,563	16,874	15,500	80	10,700	3,750	.....	30,100	19,120	.....
	IRRIGATION WORKS.										
20	Independent enterprises:										
21	Number, 1920.....	2,403	95	220	133	40	8	187	71	81	82
	Number, 1910.....	2,472	109	218	137	45	.....	116	.....	46	107
22	Main ditches:										
23	Number, 1920.....	2,381	120	164	177	43	7	41	85	46	87
24	Number, 1910.....	2,495	125	185	139	50	.....	47	.....	51	100
25	Length, 1920.....miles..	6,943	207	401	344	141	28	72	356	227	231
26	Length, 1910.....miles..	5,887	208	384	324	123	.....	129	.....	236	202
27	Capacity, 1920.....second-feet..	29,447	759	1,411	1,820	546	153	114	1,588	1,061	464
	Capacity, 1910.....second-feet..	25,081	611	2,107	1,393	600	.....	495	.....	1,065	971
28	Laterals:										
29	Number, 1920.....	4,068	195	67	433	31	2	81	265	447	37
30	Number, 1910.....	1,357	37	84	153	3	.....	41	.....	2	60
31	Length, 1920.....miles..	5,934	229	76	229	24	5	72	658	620	67
	Length, 1910.....miles..	1,822	31	116	142	6	.....	59	.....	1	34
32	Reservoirs:										
33	Number, 1920.....	476	7	46	0	2	.....	72	7	9	5
34	Number, 1910.....	480	18	69	1	4	.....	28	.....	15	18
35	Capacity, 1920.....acre-feet..	1,600,605	40,451	3,597	1,509	1,243	.....	23,135	41,871	8,875	24,521
	Capacity, 1910.....acre-feet..	583,317	12,945	260	1,568	20,746	.....	14,511	.....	13,850	43,477
36	Flowing wells:										
37	Number, 1920.....	1,256	1	82	32	.....	.....	370	.....	.....	.....
38	Number, 1910.....	1,138	.....	77	33	.....	.....	242	.....	.....	.....
39	Capacity, 1920.....gallons per minute..	98,371	.....	1,880	3,287	.....	.....	8,185	.....	.....	.....
	Capacity, 1910.....gallons per minute..	42,794	.....	1,768	734	.....	.....	9,551	.....	.....	.....
40	Pumped wells:										
41	Number, 1920.....	192	11	61	.....	.....	.....	54	.....	.....	.....
42	Number, 1910.....	27	.....	22	.....	.....	.....	4,319	.....	1	.....
43	Capacity, 1920.....gallons per minute..	39,059	3,610	12,932	.....	.....	.....	.....	.....	480	.....
	Capacity, 1910.....gallons per minute..	4,827	.....	3,964	.....	.....	.....	.....	.....	.....	.....
44	Pumping plants:										
45	Number, 1920.....	250	9	71	27	.....	2	50	1	2	.....
46	Number, 1910.....	69	.....	23	.....	.....	.....	.....	.....	11	.....
47	Engine capacity, 1920.....horsepower..	11,392	91	762	1,604	.....	13	179	.....	425	.....
48	Engine capacity, 1910.....horsepower..	2,143	.....	206	.....	.....	.....	.....	.....	376	.....
49	Pump capacity, 1920.....gallons per minute..	783,588	4,010	25,205	70,200	.....	965	5,263	27,000	8,000	.....
50	Pump capacity, 1910.....gallons per minute..	318,057	.....	3,987	.....	.....	.....	11	9	62,000	.....
	Average lift, 1920.....feet..	25	21	46	.....	.....	11	70	46	6,73	5,39
	CAPITAL INVESTED.										
51	Capital invested to Jan. 1, 1920.....dollars..	32,037,351	881,344	1,806,863	1,436,207	420,075	112,698	522,313	1,432,822	731,800	430,109
52	Capital invested to July 1, 1910.....dollars..	14,028,717	91,922	1,880,966	304,285	449,201	.....	408,483	.....	569,285	262,056
53	Per cent of increase, 1910-1920.....	128.4	804.4	-3.9	372.0	-6.5	.....	27.9	.....	63.5	64.1
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars..	18.84	18.14	17.95	14.86	18.70	10.63	26.74	10.23	7.90	15.73
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars..	11.22	8.45	19.98	3.69	14.56	.....	16.05	.....	10.08	7.82
	ESTIMATED FINAL COST.										
56	Estimated final cost of existing enterprises in 1920.....dollars..	33,835,041	859,444	2,084,063	1,472,007	420,075	112,698	545,313	1,848,075	871,800	430,109
57	Estimated final cost of existing enterprises in 1910.....dollars..	17,040,775	96,922	1,880,966	304,285	494,151	.....	408,483	.....	567,485	206,076
58	Per cent of increase, 1910-1920.....	89.7	786.7	10.8	383.8	-15.0	.....	33.5	.....	48.4	61.7
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars..	14.34	16.47	14.08	14.65	12.58	10.63	26.76	8.18	7.72	7.82
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars..	9.16	8.04	14.58	2.55	12.12	.....	11.59	.....	6,73	5.39

¹ Formed from part of Uintah County in 1918.

² Formed from part of Wasatch County in 1915; part of Uintah County annexed in 1917.

IRRIGATION—UTAH.

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COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (−) denotes decrease. Per cent not shown when more than 1,000.]

		Grand.	Iron.	Juab.	Kane.	Millard.	Morgan.	Piute. ¹	Rich. ²	Salt Lake.	San Juan.
1	Number of all farms in 1920.....	114	646	419	220	1,038	239	246	224	2,438	405
2	Number of farms irrigated in 1919.....	89	512	305	172	941	232	224	204	1,564	203
3	Per cent of all farms.....	78.1	79.3	72.8	75.1	90.7	97.1	91.1	91.1	64.2	50.1
4	Number of farms irrigated in 1909.....	126	317	333	118	689	240	103	212	2,048	139
5	Per cent of increase, 1909–1919.....	−29.4	61.5	−8.4	45.8	36.6	−3.3	16.1	.....	−23.6	46.0
	LAND AND FARM AREA.										
6	Approximate land area.....acres	2,362,880	2,083,840	2,176,640	2,697,600	4,109,040	400,640	488,320	659,840	483,840	4,967,040
7	All land in farms.....acres	42,656	278,671	105,741	71,851	185,197	117,230	35,093	236,971	317,281	167,739
8	Improved land in farms.....acres	8,191	40,765	49,751	12,309	91,685	15,926	16,730	48,813	92,447	33,491
9	Area irrigated in 1919.....acres	5,865	32,066	10,008	4,088	137,980	12,242	8,514	42,013	102,051	18,460
10	Per cent of improved land in farms.....	71.6	68.6	20.1	33.2	150.5	76.9	50.9	87.9	110.4	40.2
11	Area irrigated in 1909.....acres	6,759	11,624	14,216	3,220	48,992	11,309	13,262	63,030	82,710	8,915
12	Per cent of increase, 1909–1919.....	−13.2	175.9	−29.6	27.0	181.6	8.3	−35.8	.....	23.4	51.1
13	Area enterprises were capable of irrigating in 1920.....acres	9,664	38,858	12,872	4,469	209,604	13,506	10,258	43,503	125,194	23,283
14	Area enterprises were capable of irrigating in 1910.....acres	8,723	12,321	16,949	3,330	91,788	11,606	15,406	68,780	100,555	9,336
15	Per cent of increase, 1910–1920.....	10.8	215.4	−27.0	34.2	128.5	16.4	−83.4	.....	24.5	149.4
16	Area included in enterprises in 1920.....acres	11,010	98,475	14,707	7,114	373,926	13,809	10,938	50,238	176,122	40,511
17	Area included in enterprises in 1910.....acres	22,372	10,652	21,699	6,633	241,922	12,058	51,253	89,701	121,452	21,254
18	Per cent of increase, 1910–1920.....	−50.8	401.1	−32.2	7.3	54.6	14.5	−78.7	.....	45.0	80.6
19	Area of irrigated land reported as available for settlement.....acres	.....	.....	.....	45	29,116	.....	.....	20,505	4,715	.....
	IRRIGATION WORKS.										
20	Independent enterprises:										
21	Number, 1920.....	37	86	27	25	66	95	22	37	135	42
	Number, 1910.....	56	47	43	7	47	77	39	48	112	75
22	Main ditches:										
23	Number, 1920.....	51	75	30	27	77	114	36	59	129	69
24	Number, 1910.....	51	31	47	33	50	94	51	60	95	47
25	Length, 1920.....miles	76	164	67	46	439	156	75	180	520	134
26	Length, 1910.....miles	84	58	101	42	282	134	154	186	298	77
27	Capacity, 1920.....second-feet	150	1,242	156	89	3,560	748	722	1,205	2,530	475
	Capacity, 1910.....second-feet	270	144	376	168	1,437	432	694	769	1,746	252
28	Laterals:										
29	Number, 1920.....	10	103	73	9	151	52	120	11	383	66
30	Number, 1910.....	16	8	31	4	52	35	13	39	89	2
31	Length, 1920.....miles	8	67	58	8	384	26	35	30	926	63
	Length, 1910.....miles	18	9	30	6	154	18	13	66	128	1
32	Reservoirs:										
33	Number, 1920.....	3	66	3	9	21	3	3	4	14	14
34	Number, 1910.....	21	5	11	12	7	3	3	12	5	12
35	Capacity, 1920.....acre-feet	2,752	9,968	3,100	218	672,617	104	55,000	52	8,051	11,885
	Capacity, 1910.....acre-feet	2,229	79	199	173,518	74	131,040	10,531	932	932	292
36	Flowing wells:										
37	Number, 1920.....	139	11	.....	178	.....	.....	10	20	2	.....
38	Number, 1910.....	86	6	.....	.....	.....	.....	8,600	68	10	.....
39	Capacity, 1920.....gallons per minute	10,061	342	28,955	.....	.....	.....	.....	222	90	.....
	Capacity, 1910.....gallons per minute	2,137	100	.....	.....	.....	.....	.....	1,910	774	.....
40	Pumped wells:										
41	Number, 1920.....	41	1	.....	.....	.....	.....	.....	1	.....	.....
42	Number, 1910.....	.....	.....	1	.....	.....	.....	.....	2	1	.....
43	Capacity, 1920.....gallons per minute	10,500	28	.....	.....	.....	.....	.....	67	200	.....
	Capacity, 1910.....gallons per minute	.....	.....	116	.....	.....	.....	.....	.....	.....	.....
44	Pumping plants:										
45	Number, 1920.....	11	21	3	.....	1	.....	2	9	.....	.....
46	Number, 1910.....	19	.....	.....	.....	1	.....	2	2	1	.....
47	Engine capacity, 1920.....horsepower	227	272	23	.....	.....	.....	46	4,323	.....	.....
48	Engine capacity, 1910.....horsepower	404	.....	.....	2	.....	.....	3	3	15	.....
49	Pump capacity, 1920.....gallons per minute	17,812	10,400	2,468	.....	11,250	.....	3,300	524,900	.....	.....
50	Pump capacity, 1910.....gallons per minute	31,057	.....	.....	116	.....	.....	67	200	.....	.....
	Average lift, 1920.....feet	18	56	40	.....	.....	.....	40	34	.....	.....
	CAPITAL INVESTED.										
51	Capital invested to Jan. 1, 1920.....dollars	167,511	854,295	562,667	150,188	5,148,282	147,278	253,668	319,225	2,096,530	259,287
52	Capital invested to July 1, 1919.....dollars	133,699	41,560	159,293	63,064	1,654,652	53,197	312,310	268,005	1,817,542	78,337
53	Percent of increase, 1910–1920.....	25.3	.....	260.0	138.2	211.1	176.9	−18.8	19.1	15.3	231.0
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars	17.33	21.99	46.48	33.61	24.55	10.90	24.73	7.34	16.75	11.14
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars	15.33	3.37	9.22	18.94	18.03	4.58	20.27	3.90	18.03	8.39
	ESTIMATED FINAL COST.										
56	Estimated final cost of existing enterprises in 1920.....dollars	218,211	882,370	564,667	152,688	5,210,982	147,378	255,168	319,225	2,164,030	319,162
57	Estimated final cost of existing enterprises in 1910.....dollars	133,699	44,408	156,298	65,397	2,088,652	53,197	450,648	268,005	1,827,542	90,337
58	Per cent of increase, 1910–1920.....	63.2	.....	261.3	153.5	149.5	177.0	−43.4	19.1	17.9	253.3
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars	19.82	8.96	38.39	21.46	13.94	10.67	23.33	6.35	12.23	7.88
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars	5.98	2.26	7.20	9.86	8.63	4.41	8.79	2.98	15.05	4.25

¹ Part of Piute County annexed to Sevier County in 1902.² Part of Summit County annexed in 1917.

IRRIGATION—UTAH.

COUNTY TABLE.—ACREAGE IRRIGATED, 1919 AND 1909; AND ACREAGE IN ENTERPRISES, IRRIGATION WORKS, AND CAPITAL INVESTED IN IRRIGATION ENTERPRISES, 1920 AND 1910—Continued.

[A minus sign (—) denotes decrease.]

		Sanpete.	Sevier. ¹	Summit. ²	Tooele.	Uintah. ³	Utah.	Wasatch. ⁴	Washington.	Wayne.	Weber.
1	Number of all farms in 1920.....	1,813	1,108	521	417	899	3,237	507	733	272	1,687
2	Number of farms irrigated in 1919.....	1,646	1,089	485	305	805	2,090	487	667	284	1,596
3	Per cent of all farms.....	90.8	96.5	93.1	73.1	89.5	92.4	96.1	90.4	97.1	92.8
4	Number of farms irrigated in 1909.....	1,660	1,034	396	272	586	2,717	946	568	235	1,396
5	Per cent of increase, 1909-1919.....	-0.2	3.4	.....	12.1	10.0	.....	17.4	12.3	12.2	.....
	LAND AND FARM AREA.										
6	Approximate land area.....acres.	1,084,240	1,245,920	1,196,800	4,385,360	2,748,160	1,301,760	746,880	1,577,600	1,584,000	346,240
7	All land in farms.....acres.	391,007	113,005	271,778	163,375	126,151	318,133	150,536	127,899	33,551	259,506
8	Improved land in farms.....acres.	138,552	66,960	38,807	49,570	34,407	135,996	25,132	29,023	14,263	68,365
9	Area irrigated in 1919.....acres.	90,153	68,838	32,139	9,652	80,789	138,143	22,797	20,838	16,198	56,073
10	Per cent of improved land in farms.....	65.1	102.8	82.8	19.5	148.5	101.6	90.7	71.8	113.3	85.2
11	Area irrigated in 1909.....acres.	88,959	51,622	37,245	12,318	48,460	89,886	39,031	18,686	13,842	47,505
12	Per cent of increase, 1909-1919.....	1.3	33.4	.....	21.6	.....	53.7	.....	11.5	17.0	19.9
13	Area enterprises were capable of irrigating in 1920.....acres.	91,865	69,178	32,394	11,453	127,787	173,487	22,892	20,077	18,690	70,846
14	Area enterprises were capable of irrigating in 1910.....acres.	90,389	52,425	39,313	13,600	130,850	102,926	49,630	24,682	15,980	48,181
15	Per cent of increase, 1910-1920.....	1.7	32.0	.....	-15.8	.....	68.6	.....	17.0	17.0	47.2
16	Area included in enterprises in 1920.....acres.	127,708	81,548	34,705	17,405	147,608	203,065	24,883	43,387	19,690	105,897
17	Area included in enterprises in 1910.....acres.	133,589	68,993	40,312	18,523	186,886	127,020	108,841	67,681	34,617	56,160
18	Per cent of increase, 1910-1920.....	-4.4	18.2	.....	-6.0	.....	59.0	.....	-35.9	-43.8	88.6
19	Area of irrigated land reported as available for settlement.....acres.	2,556	.....	.....	.....	1,100	27,664	.....	6,848	800	.....
	IRRIGATION WORKS.										
20	Independent enterprises:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	Number, 1920.....	91	82	132	69	42	210	48	126	29	135
	Number, 1910.....	106	78	173	77	66	230	162	105	30	107
22	Main ditches:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Number, 1920.....	93	73	158	55	54	146	62	137	37	129
24	Number, 1910.....	177	69	173	70	90	226	166	138	49	75
25	Length, 1920.....miles.	429	312	232	144	295	381	161	226	97	212
26	Length, 1910.....miles.	394	284	277	168	371	460	395	268	141	192
27	Capacity, 1920.....second-feet.	1,150	1,079	665	140	906	2,725	766	527	174	1,517
	Capacity, 1910.....second-feet.	1,690	1,390	635	239	3,136	1,730	1,305	437	306	683
28	Laterals:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Number, 1920.....	202	288	24	29	58	440	212	79	59	72
30	Number, 1910.....	118	44	138	36	160	70	38	17	17	50
31	Length, 1920.....miles.	407	274	23	40	137	624	89	80	19	60
	Length, 1910.....miles.	139	55	58	28	384	133	56	15	21	106
32	Reservoirs:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Number, 1920.....	23	16	18	16	32	16	18	10	33	.....
34	Number, 1910.....	30	17	22	37	5	56	17	16	18	28
35	Capacity, 1920.....acre-feet.	30,708	87,779	1,810	21	527,715	3,681	10,664	4,003	30,230	.....
	Capacity, 1910.....acre-feet.	33,816	11,925	488	443	464	48,612	1,484	44,242	14,274	320
36	Flowing wells:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Number, 1920.....	33	46	80	.....	.....	220	.....	.....	.....	33
38	Number, 1910.....	156	103	102	.....	.....	195	.....	.....	.....	50
39	Capacity, 1920.....gallons per minute.	505	9,305	4,302	.....	.....	27,729	.....	.....	.....	1,368
	Capacity, 1910.....gallons per minute.	4,070	5,125	2,102	.....	.....	9,318	.....	.....	.....	1,007
40	Pumped wells:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Number, 1920.....	1	1	7	1	4	.....	8	.....	.....	0
42	Number, 1910.....	150	.....	200	1,350	2,830	.....	1,500	.....	.....	1,040
43	Capacity, 1920.....gallons per minute.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Capacity, 1910.....gallons per minute.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Pumping plants:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Number, 1920.....	1	3	1	4	8	.....	2	.....	.....	22
46	Number, 1910.....	5	84	6	3	5	.....	3	.....	.....	1
47	Engine capacity, 1920.....horsepower.	.....	.....	.....	92	2,919	.....	30	.....	.....	226
48	Engine capacity, 1910.....horsepower.	.....	.....	.....	54	956	.....	102	.....	.....	25
49	Pump capacity, 1920.....gallons per minute.	450	4,150	900	3,350	30,830	.....	900	.....	.....	26,245
50	Pump capacity, 1910.....gallons per minute.	.....	.....	.....	3,700	202,900	.....	2,330	.....	.....	8,700
	Average lift, 1920.....feet.	4	82	12	20	43	.....	20	.....	.....	17
	CAPITAL INVESTED.										
51	Capital invested to Jan. 1, 1920.....dollars.	1,388,433	2,083,537	229,639	136,263	1,488,111	5,880,832	410,198	576,824	453,600	1,756,652
52	Capital invested to July 1, 1910.....dollars.	630,936	404,501	143,499	165,573	939,427	1,868,232	442,102	372,302	118,936	463,000
53	Per cent of increase, 1910-1920.....	104.2	415.1	.....	-17.7	.....	214.8	.....	54.9	298.1	279.3
54	Average cost per acre based on area enterprises were capable of supplying with water in 1920.....dollars.	14.02	30.12	7.09	11.90	11.65	33.90	17.92	19.84	24.27	24.80
55	Average cost per acre based on area enterprises were capable of supplying with water in 1910.....dollars.	6.98	7.72	3.05	12.17	7.18	18.15	8.93	15.10	7.13	9.62
	ESTIMATED FINAL COST.										
56	Estimated final cost of existing enterprises in 1920.....dollars.	1,346,938	2,208,437	242,829	136,263	1,711,468	6,010,982	450,198	628,774	467,200	1,704,302
57	Estimated final cost of existing enterprises in 1910.....dollars.	658,214	404,501	143,499	165,573	995,635	4,618,401	525,905	507,362	146,925	463,090
58	Per cent of increase, 1910-1920.....	104.6	446.0	.....	-17.7	.....	31.5	.....	23.9	218.0	281.0
59	Average cost per acre based on estimated final cost and area included in enterprises in 1920.....dollars.	10.55	27.08	6.98	7.83	11.59	29.88	18.09	14.49	23.73	16.66
60	Average cost per acre based on estimated final cost and area included in enterprises in 1910.....dollars.	4.93	5.86	3.10	8.94	5.33	36.32	4.92	7.50	4.24	8.25

¹ Part of Piute County annexed to Sevier County in 1902.² Part annexed to Rich County in 1917; part of Uintah County annexed to Summit County in 1917.³ Parts annexed to Duchesne and Summit Counties in 1917; part taken to form Daggett County in 1918.⁴ Part taken to form Duchesne County in 1915.

DRAINAGE—UTAH.

INTRODUCTION.

The following pages present the statistics of drainage for Utah collected at the census of 1920. The figures relate to conditions on January 1, 1920, except where indicated otherwise. No census of drainage has been taken heretofore, so there are no comparable figures for previous years. The data relate to the artificial drainage of land in farms, and of other land that ultimately will be used for agricultural purposes. The organized drainage enterprises include considerable areas of unimproved land not yet in farms. The

statistics for drainage on farms were collected in the general census of agriculture, while the statistics for drainage enterprises were obtained in a special canvass of those enterprises. Since drainage on farms may be either inside or outside an organized enterprise, and the drains that each individual owner installs upon his own farm may be either supplemental to or entirely independent of the works installed by an enterprise, the figures for the two parts of the drainage census are presented separately.

TABLE 1.—SUMMARY FOR THE STATE: 1920.

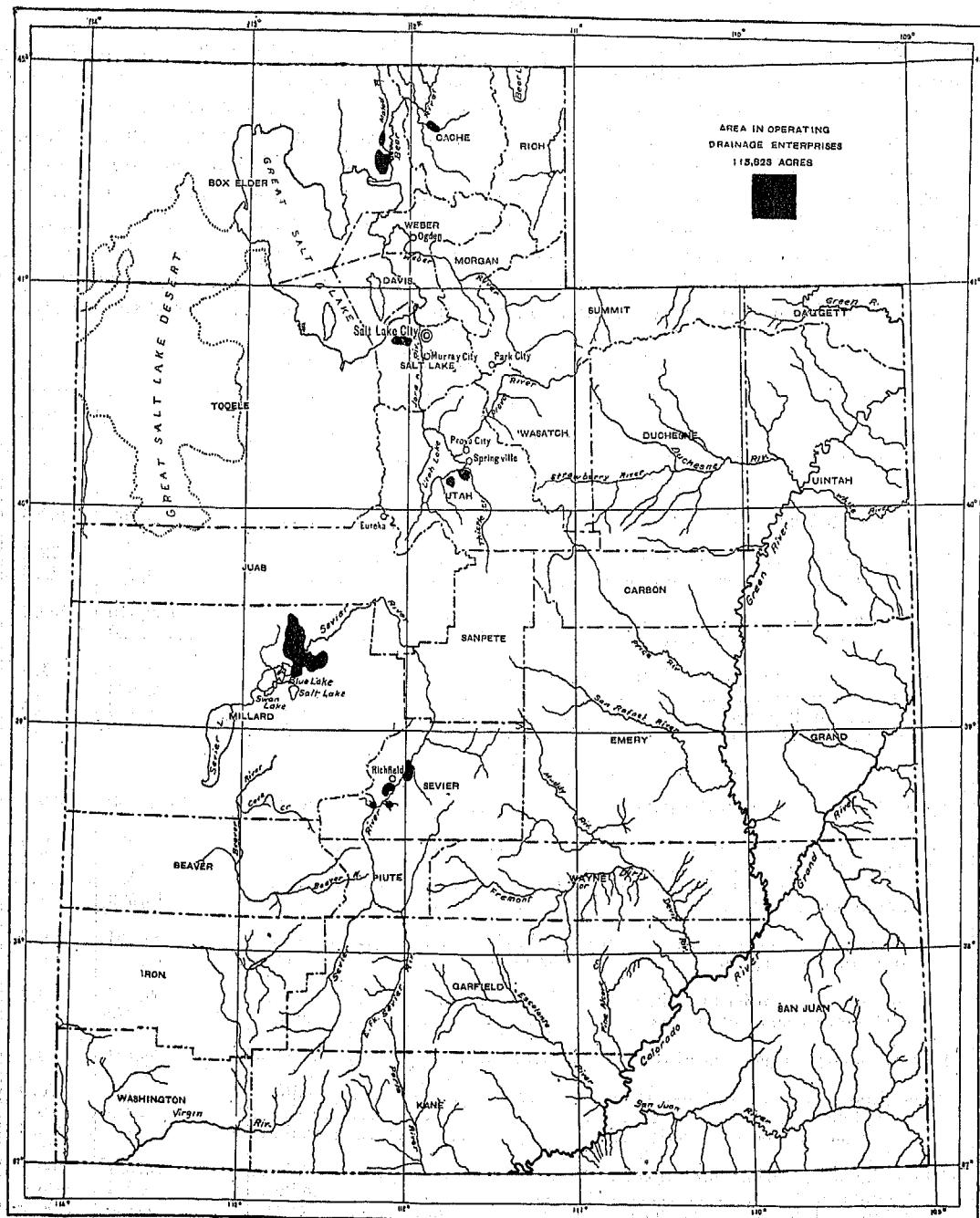
ITEM.	Amount.	Per cent of total.
DRAINAGE ON FARMS.		
Number of all farms in the state.....	25,662	100.0
Farms reporting land having drainage.....	2,729	10.6
Farms reporting land needing drainage.....	3,085	12.0
All land in farms.....acres	5,050,410	100.0
Improved land in farms.....acres	1,715,380	34.0
Farm land reported as provided with drainage.....acres..	74,316	1.5
Farm land reported as needing drainage.....acres..	165,926	3.3
Needing drainage only.....acres..	74,786	1.5
Needing drainage and clearing.....acres..	91,140	1.8
DRAINAGE ENTERPRISES.		
Approximate land area of the state.....acres	52,597,760	100.0
All land in operating drainage enterprises.....acres	113,823	0.2
Improved land.....acres	97,314	0.2
Per cent of all improved land in farms.....	5.7	
Unimproved land ¹.....acres	16,509	(2)
Swampy, subject to overflow, seeped, or alkali.....acres	88,181	0.2
Suffering a loss of crops from defective drainage.....acres	76,803	0.1
Improved land prior to drainage.....acres	89,394	0.2
Increase since drainage began.....acres	7,920	(2)
Land in nonoperating enterprises.....acres	20,731	(2)
Open ditches in operating enterprises.....miles	124.8	100.0
Completed.....miles	120.3	96.4
Additional under construction.....miles	4.5	3.6
Tile drains in operating enterprises.....miles	1,376.7	100.0
Completed.....miles	599.1	43.5
Additional under construction.....miles	777.6	56.5
Total capital invested in and required for completion of operating enterprises.....	\$2,870,773	100.0
Capital invested in these enterprises to Dec. 31, 1919.....	1,005,473	35.0
Additional capital required to complete these enterprises.....	1,865,300	65.0
Average cost per acre when completed	25.22	

¹No timber or cut-over land reported.

* Less than one-tenth of 1 per cent.

UTAH

APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES.



DRAINAGE ON FARMS.

Explanation of terms.—To secure uniformity in the returns relating to drainage on farms, the Bureau of the Census supplied its enumerators with certain definitions, which are substantially as follows:

Drainage of agricultural land was defined, for census purposes, as the act or process of drawing off an excess of water by underground conduits, pipes, or tiles, or by open or covered trenches in the surface of the ground, for the purpose of improving the condition of the soil and crops.

The area provided with drainage, in farms, is the acreage actually benefited or made of more value for agricultural purposes by artificial drainage, but does not include land on which only temporary work has been done, such as "bedding" the fields or laying out "dead furrows" to hasten the surface flow.

The area needing drainage, in farms, comprises the additional land not now suitable for crops which could be made available for cultivation (1) "by drainage only," which is the acreage needing no clearing or which is covered with grass, weeds, or other annual growth, and (2) "by drainage and clearing," which is the acreage covered with trees, stumps, or perennial woody shrubs.

Improved land in farms includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

Woodland in farms includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

Farms in drainage and levee districts are those for which the operators have answered affirmatively the question, "Has any part of this farm been afforded drainage or protection against overflow by a drainage or levee district, or by the state, the county, or a private company or individual?" Levee districts, however, generally are not included in the enterprises for which data are given in this report (see definition of drainage enterprises, below).

Farms and farm land.—The acreage shown for drainage on farms represents land where drainage is actually in operation and which has actually become more fully available for growing crops by reason of the drainage. This is to be distinguished from the area merely provided with outlet facilities by organized drainage enterprises. Drainage on farms represents in most cases the result of work done by the farm owner, either independently or supplemental to the work done by a drainage enterprise, but the acreage would include also any farm land receiving similar benefits directly from the works of an enterprise.

DRAINAGE ENTERPRISES.

Explanation of terms.—The more important terms used in connection with the census of drainage enterprises were defined as follows:

Drainage enterprises comprise public corporations and local improvement districts formed under state laws, commercial enterprises draining swamp or overflowed land for sale, other organizations that may be engaged in extensive land-drainage work, and also tracts of 500 acres or more drained by individual owners. Enterprises such as levee districts that have not authorized the construction of open ditches or tile drains are not included.

Enterprises located in more than one county were divided, for tabulation, and the part in each county treated as a separate enterprise, though the capacities of drainage pumping plants are given only in the counties in which the plants are located.

Operating enterprises, as designated in this bulletin, are those that had completed the drainage works authorized, or had at any rate begun actual construction work, on or before January 1, 1920; enterprises that had been established but had not begun construction are termed "nonoperating."

Land in drainage enterprises comprises the area that has been benefited or is to be benefited by the improvement works constructed by the enterprises. In the case of overlapping enterprises, deduction has been made for the amount of duplication.

All land in drainage enterprises is divided, without regard to drainage condition, into (a) improved land; (b) timber and cut-over land, which would require clearing to be thoroughly fit for cultivation; and (c) all other unimproved land, which would not require expensive clearing before cultivation.

The assessed acreage for any single enterprise is the same as the area in that enterprise. However, the total assessed acreage may be considerably greater than the total land in enterprises, for in summing up the assessed acreage in the county or state, deduction was not made for acreage assessed in more than one enterprise.

Improved land in drainage enterprises consists very largely of improved farm land, though it may include some other improved land receiving benefit from the works of the enterprises.

Timber and cut-over land includes farm woodland of natural or planted forest trees as well as other timber land or areas that would need clearing of trees, stumps, or perennial woody shrubs.

Land designated as swampy or subject to overflow includes all land permanently or generally too wet for cultivation, land subject to periodical inundation by stream floods, seeped and alkali land in irrigated regions, and all other land unfit for cultivation by reason of insufficient drainage. This classification is without respect to the conditions as to improvement or timber.

The area suffering loss of crops is intended to include only land devoted to planted crops which suffer damage, either partial or complete, because of defective drainage. Land which would be cultivated if drained or protected against overflow is not included.

Capital invested, for the purpose of this investigation, was defined as cost, including charges for engineering, organization, rights of way, construction of drainage works, damages, land and buildings except those held for sale or farming, and any other expenditures properly chargeable to drainage and paid by the enterprise.

The drainage works of an enterprise include all varieties of underground conduits, pipes, or lines of tile, or drains of stone, wood, or other material; also open ditches and canals, together with accessory levees, dikes, dams, weirs, pumping machinery, gates, and other devices for the draining away or control of surface and soil waters.

Tile, as the term is here used, includes pipes of earthenware, concrete, or other material buried beneath the surface in such a way as to permit the excess water to flow away. The size, if circular, is expressed by the inside diameter in inches.

Ditches include all open artificial trenches, usually with sloping sides. The width is that of the bottom.

The type of drainage shows whether the drainage water from an enterprise is discharged by gravity or by pumping.

A pumping district is one where all or a part of the water from the drains collecting at a low point must be raised by some form of machinery in order that it may be removed from the area.

Drainage pumps include all kinds of machinery and devices for lifting the drainage water.

Pumping engines include all kinds of engines and motors for operating the drainage pumps.

Operating and nonoperating enterprises.—In most of the tables that follow, statistics are given for operating enterprises only. These enterprises, as already defined, include both those which have completed their drainage works and those with such works under construction; among the latter might be any that had completed the original plan of reclamation some years ago, but were constructing extensions or enlargements on January 1, 1920. The nonoperating enterprises have a legal existence, though they have not yet accomplished any drainage. They may include districts that on the census date had completed their plans, sold bonds to cover the cost of the undertakings, and let contracts for the construction work, and also districts that had just been established by decree of the county commissioners and were still subject to considerable change in area, plan of drainage works, and cost.

TABLE 2.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED AS BETWEEN OPERATING AND NONOPERATING ENTERPRISES: 1920.

CLASS.	LAND.		CAPITAL. ¹			
	Acreage.	Per cent of total.	To Dec. 31, 1919.			
			Amount.	Per cent of total.		
All organized enterprises..	134,554	100.0	\$1,014,973	100.0	\$2,512,800	
Operating enterprises.....	113,823	84.6	1,005,473	99.1	1,865,300	
With works completed.....	23,993	17.8	495,007	48.8		
With works under construction.....	89,830	66.8	510,466	50.3	1,865,300	
Nonoperating enterprises.....	20,731	15.4	9,500	0.9	647,500	

¹ The inquiry asked for the "total cost of the enterprise to Dec. 31, 1919," and for an "estimate of additional investment to complete."

Location of enterprises.—All of the drainage enterprises in Utah lie in the central and north central part of the state, and all are within the rim of the Great Basin.

TABLE 3.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY DRAINAGE BASIN: 1920.

DRAINAGE BASIN.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.			
			Amount.	Per cent of total.		
All organized enterprises..	134,554	100.0	\$1,014,973	100.0	\$2,512,800	
Operating enterprises.....	113,823	84.6	1,005,473	99.1	1,865,300	
Sevier River.....	88,281	65.6	641,973	63.3	1,720,300	
Great Salt Lake.....	25,542	19.0	303,500	35.8	145,000	
Nonoperating enterprises.....	20,731	15.4	9,500	0.9	647,500	
Sevier River.....	14,872	11.1	7,500	0.7	492,500	
Great Salt Lake.....	5,859	4.3	2,000	0.2	155,000	

Condition of land in enterprises.—The enterprises have been organized almost entirely to drain and protect land injured or threatened with water-logging and the concentration of salts, commonly called alkali, in the surface soil as a result of irrigation.

For the state, 275 acres of irrigated land in drainage enterprises are reported as not having needed drainage but as having been included and assessed merely as being responsible for damage to the other lands.

The usual purpose of an organized enterprise is merely to provide adequate outlets into which the landowners of the district may drain their farms, and to afford relief from overflows for the district as a unit. Therefore, the fact that an enterprise which has completed the construction of the drainage works authorized contains land still swampy, subject to overflow, seeped, or alkali, or land that suffers damage to crops, does not show that the improvement works are inadequate.

TABLE 4.—LAND IN ALL ENTERPRISES, CLASSIFIED BY CONDITION: 1920.

CONDITION OF LAND.	OPERATING ENTERPRISES.			Non-operating enterprises (acres).	
	Total.		Works completed (acres).		
	Acreage	Per cent of all land.			
All land in enterprises	113,823	100.0	23,993	89,830	
Improved land	97,314	85.5	18,349	78,905	
Unimproved land ¹	16,509	14.5	5,644	10,865	
Swampy, seeped, or alkali	88,181	77.5	6,476	81,705	
Suffering a loss of crops	76,803	67.5	2,277	74,526	

¹ No timber or cut-over land reported.

Size of enterprises.—The average area included in the 17 operating drainage enterprises in Utah is 6,695 acres; only 3 of them comprise as much as 10,000 acres each. The average area in the 6 nonoperating enterprises is 3,455 acres. None of the enterprises embraces land in more than one county, and there is no overlapping of the enterprises in this state.

TABLE 5.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY SIZE OF AREA ASSESSED: 1920.

SIZE GROUP.	Land in enterprises (acres).	ASSESSED AREA.	
		Acreage.	Per cent of total.
All operating enterprises	113,823	113,823	100.0
500 to 999 acres	1,749	1,749	1.5
1,000 to 4,999 acres	29,104	29,104	25.6
5,000 to 9,999 acres	5,280	5,280	4.6
10,000 to 49,999 acres	77,690	77,690	68.3

Character of enterprises.—All the drainage enterprises in Utah, except commercial and private undertakings, are operating now (Jan. 1, 1920) under the supervision of the State Drainage Commission, which inspects and approves all drainage enterprises in the state.

only general drainage law of the state. This is chapter 41, approved March 19, 1919, which was made applicable to all drainage districts formed under earlier laws.

This law provides for the establishment of drainage districts by the board of county commissioners, upon petition from a majority of the owners of land in the proposed district who must own at least one-third of the acreage to be affected, or from not less than one-third of the owners who must hold a majority of the acreage. The drainage works are laid out, constructed, and maintained by a board of supervisors consisting of three competent persons appointed by the county commissioners. The cost of the enterprise is apportioned against the tracts of land in the district by the supervisors, in proportion to the benefits each will receive, proper allowance being made also for any damages that will be caused. The supervisors report annually to the commissioners concerning all work done, all money collected, and all expenditures made; they also report semiannually at meetings of the residents of the district, during the progress of construction. For a district comprising land in more than one county, proceedings are held in that county in which the greatest portion is situated. No land in one drainage district may be included in a second district without the consent of the board of supervisors of the first district.

The petition must describe the boundaries of the district and state the general plan of drainage. The boundaries may be amended by the county commissioners when, after public hearing upon the petition, they establish the district and appoint the supervisors. Investigation is made by the supervisors, who then report to the commissioners regarding the practicability of the enterprise. If they report that the total cost will exceed the benefits, the district is abandoned at the cost of the petitioners. If they report favorably, the district boundaries are fixed by the commissioners, after public hearing if additional land is included except by consent of the owners of that land. The apportionment of costs is equalized and confirmed by the county commissioners, after hearing all complaints regarding the assessments. The supervisors may issue bonds to pay for the construction work, running not less than 5 nor more than 40 years, if the issue is approved by vote of the landowners in the district.

The first general drainage law of this state was that of April 16, 1896 (ch. 132), authorizing the establishment of drainage districts upon petition from 50 or more persons, constituting a majority of the owners of the land to be affected. The districts were to be controlled by 3 or 5 directors elected by the freeholders of the district; the costs were to be paid by an assessment spread uniformly upon all the land in the district. This law was amended March 14, 1907 (ch. 108), to require that the petition be signed by only a majority of the owners holding title to a major part

of the land, and to apportion the cost in proportion to the benefits. The supreme court of Utah declared this law unconstitutional, in 1911, because it did not provide opportunity for the owners to show that their land would not be benefited or was not assessed equitably. The main provisions of the law of March 21, 1913 (ch. 95), which was amended March 22, 1915 (ch. 114), were similar to those of the present law.

TABLE 6.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920.

CHARACTER OF ENTERPRISE	LAND.		CAPITAL.		
	Acreage	Per cent of total	To Dec. 31, 1919		Additional required to complete
			Amount	Per cent of total	
All organized enterprises	134,554	100.0	\$1,014,973	100.0	\$2,512,800
Operating enterprises					
Drainage districts	113,823	84.6	1,005,473	99.1	1,865,300
Laws of 1907, ch. 108	105,519	78.4	776,516	76.5	1,865,300
Laws of 1913, ch. 95	750	0.6	3,500	0.3	-----
Laws of 1919, ch. 41	102,341	76.0	708,016	69.8	1,818,300
Commercial developments ¹	2,428	1.8	65,000	6.4	52,000
8,304	6.2	228,957	22.6	-----	
Nonoperating enterprises	20,731	15.4	9,500	0.9	647,500
Drainage districts	20,731	15.4	9,500	0.9	647,500
Laws of 1913, ch. 95	16,219	12.0	7,000	0.7	460,000
Laws of 1919, ch. 41	4,512	3.4	2,500	0.2	187,500

¹ Includes 1,050 acres under individual ownership.

Drainage works.—The total works completed by drainage enterprises to December 31, 1919, comprised 120.3 miles of open ditches, 599.1 miles of tile drains, and 2 miles of accessory levees; the additional lengths under construction were 4.5 miles of open ditches and 777.6 miles of tile drains. These figures do not include drains or levees installed by individual farm owners supplemental to the works of the drainage enterprises, nor the works of flood-protection or levee districts that had not undertaken the construction of ditches or tile drains. Some of the districts, however, are installing drainage systems planned in such detail as is intended to accomplish complete drainage of the land without requiring any supplemental drains to be installed by the individual owners. Pumping is used for draining only 1,400 acres in drainage enterprises in Utah, and then only part time, in seasons of flood.

TABLE 7.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY KIND OF DRAINAGE WORKS: 1920.

KIND OF WORKS	LAND.		CAPITAL.		
	Acreage	Per cent of total	To Dec. 31, 1919		Additional required to complete
			Amount	Per cent of total	
All kinds	113,823	100.0	\$1,005,473	100.0	\$1,865,300
Open ditches only	1,050	0.9	10,000	1.0	-----
Tile drains only	4,321	3.8	113,550	11.3	27,500
Open ditches and tile drains ¹	108,452	95.3	881,923	87.7	1,837,800

¹ Includes 2,700 acres having open ditches, tile drains, and levees.

The average depth of the main or outlet ditch was reported for each enterprise. The maximum reported for any enterprise in the state and the maximum in each county are shown in line 14 of County Table II. The maximum length, width, and depth of outlet shown in that table for any county may not refer to the same enterprise.

In County Table II, line 15 shows the mean depth of branch ditches (open ditches only), which is a very crude indication of the depth of soil drainage that may be obtained in the enterprises as determined by the depth of outlet provided for farm drains. The mean depth was computed by giving each separate depth a weight in proportion to the acreage it serves. As most enterprises reported depths in whole numbers only, the occasional decimals were omitted in making these computations.

TABLE 8.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY AVERAGE DEPTH OF BRANCH DITCHES: 1920.

DEPTH OF BRANCH DITCHES.	Acreage.	Per cent of total.
All operating enterprises.....	113,823	100.0
3.0 to 3.9 feet.....	1,050	0.9
4.0 to 4.9 feet.....	13,590	11.9
5.0 to 5.9 feet.....	2,554	4.0
6.0 to 6.9 feet.....	78,210	69.6
7.0 to 7.9 feet.....	3,022	2.7
Not reporting branches.....	12,397	10.9

Maintenance of works.—The first drainage law of Utah (1896) authorized the levy of taxes in a drainage district for maintenance purposes. The present law (1919) repeats the provision in earlier laws that the board of supervisors shall make annually an estimate of the money to be raised in the district, including the expense of maintaining the drains and other works, which is levied against the land in proportion to the benefits to the various tracts. The drainage districts that have completed construction report that the drains are maintained by district forces, except for one small district which reports that the drains are not being maintained.

Date of organization.—The progress in drainage development is shown only roughly by the dates of the organization of the enterprises, which are the dates when the districts were established by the county commissioners, since there may be a period of a year or more between the decree of establishment and the beginning of actual construction, and since the work of construction may occupy several years in a large district. It was not practicable, however, for the census to secure data as to the time of the begin-

ning or the completion of the drainage works. Under the date of organization are tabulated the entire area, works, and capital of each enterprise, even including extensions made after the original plan of reclamation was completed.

TABLE 9.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	LAND.		ASSESSED AREA.	
	Acreage.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	113,823	100.0	113,823	100.0
1905 to 1909.....	750	0.7	750	0.7
1910 to 1914.....	9,380	8.2	9,380	8.2
1915 to 1919.....	103,693	91.1	103,693	91.1

TABLE 10.—CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	CAPITAL.	
	To Dec. 31, 1919.	Additional required to complete.
	Amount.	Per cent of total.
All operating enterprises.....	\$1,005,473	100.0
1905 to 1909.....	3,500	0.3
1910 to 1914.....	120,000	12.0
1915 to 1919.....	891,073	87.7

TABLE 11.—DRAINS AND LEVEES (COMPLETED AND UNDER CONSTRUCTION) IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	DITCHES.		TILE.		LEVEES.	
	Miles.	Per cent of total.	Miles.	Per cent of total.	Miles.	Per cent of total.
All drains and levees....	124.8	100.0	1,376.7	100.0	2.0	100.0
1905 to 1909.....	.....	.....	0.6	0.1	.....	.....
1910 to 1914.....	15.2	12.2	63.5	4.6	.....	.....
1915 to 1919.....	109.6	87.8	1,312.6	95.3	2.0	100.0

Crops.—The principal crops grown upon the drained land in drainage enterprises are alfalfa, sugar beets, grain, and hay other than alfalfa. Data were not secured to show the part of each enterprise planted to any crop, so the enterprises have been classified according to the principal crop, and the total area of improved land is shown thus classified in County Table II. No data were secured at the general census of agriculture to separate the crops grown upon land drained artificially from those produced upon land drained naturally.

DRAINAGE—UTAH.

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COUNTY TABLE I.—DRAINAGE ON FARMS: 1920.

	THE STATE.	Box Elder.	Cache.	Carbon.	Davis.	Duchesne.	Juab.	
1 Number of all farms in the state or county	25,662	1,859	2,242	285	1,172	1,248	419	
2 Farms reporting land having drainage.....	2,729	502	164	12	338	10	14	
3 Farms reporting land needing drainage.....	3,085	174	198	19	206	294	11	
4 Farms in drainage and levee districts.....	791	151	43		8	14		
LAND AND FARM AREA.								
5 Approximate land area of the state or county.....acres.	52,597,760	3,484,160	744,960	951,680	176,000	2,090,240	2,176,640	
6 All land in farms.....acres.	5,050,410	542,348	317,698	38,899	98,732	252,031	105,741	
7 Improved land in farms.....acres.	1,715,380	210,657	188,654	12,117	52,029	96,097	49,761	
8 Woodland in farms.....acres.	212,762	11,047	25,373	2,312	6,320	12,006	3,659	
9 Other unimproved land in farms.....acres.	3,122,268	311,644	108,671	21,470	40,383	143,328	52,331	
10 Farm land reported as provided with drainage.....acres.	74,316	24,842	3,541	877	5,816	803	873	
11 Farm land reported as needing drainage.....acres.	165,926	20,153	3,864	617	5,502	9,788	541	
12 Drainage only.....acres.	74,786	17,880	3,671	128	5,328	5,088	231	
13 Drainage and clearing.....acres.	91,140	2,273	153	489	174	8,760	310	
	Millard.	Salt Lake.	Sanpete.	Sevier.	Summit.	Utah.	Weber.	All other counties. ¹
1 Number of all farms in the county	1,088	2,438	1,813	1,108	521	8,287	1,687	6,645
2 Farms reporting land having drainage.....	86	254	70	230	12	500	436	80
3 Farms reporting land needing drainage.....	102	245	200	113	128	444	329	682
4 Farms in drainage and levee districts.....	67	94	35	187	1	127	57	17
LAND AND FARM AREA.								
5 Approximate land area of the county.....acres.	4,199,040	483,840	1,084,240	1,265,920	1,106,800	1,301,760	346,240	33,146,240
6 All land in farms.....acres.	185,197	317,281	391,007	113,005	271,778	318,133	289,566	1,841,904
7 Improved land in farms.....acres.	91,685	92,447	138,552	66,860	88,807	135,996	66,855	470,173
8 Woodland in farms.....acres.	1,502	24,913	12,154	2,808	28,266	7,043	12,924	64,485
9 Other unimproved land in farms.....acres.	92,010	199,921	240,301	48,237	206,705	175,094	178,787	1,807,386
10 Farm land reported as provided with drainage.....acres.	5,274	3,483	785	7,822	768	10,070	7,266	2,590
11 Farm land reported as needing drainage.....acres.	8,714	9,677	7,540	4,110	3,821	10,788	8,091	72,830
12 Drainage only.....acres.	4,493	3,680	6,089	3,948	761	8,660	4,484	9,551
13 Drainage and clearing	4,221	6,047	1,451	164	3,000	2,082	3,657	63,270

¹ No drainage on farms reported in Grand, Piute, Rich, and Wayne Counties.

DRAINAGE—UTAH.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920.

		THE STATE.	Box Elder.	Millard.	Salt Lake.	Savier.	Other counties. ¹
LAND AREA.							
1	Approximate land area of the state or county.....acres..	52,597,760	3,484,160	4,199,040	488,840	1,205,920	2,040,720
2	All land in operating drainage enterprises.....acres..	113,823	12,690	76,634	4,080	11,047	8,772
3	Improved land.....acres..	97,314	7,245	76,634	200	6,485	6,760
4	Per cent of all improved land in farms.....	5.7	3.3	88.5	0.2	9.7	2.1
5	Unimproved land ².....acres..	16,509	5,445		3,880	5,162	2,022
6	Swampy, seeped, or alkali, in enterprises.....acres..	88,181	4,000	74,357	3,880	3,922	2,022
7	Suffering a loss of crops from defective drainage.....acres..	76,803		74,357	200	1,246	1,000
8	Assessed acreage.....acres..	113,823	12,690	76,634	4,080	11,047	8,772
9	Excess over all land in operating enterprises.....acres..						
DRAINAGE WORKS.							
10	Open ditches:						
11	Completed.....miles..	120.3	15.0	89.6	0.5	1.2	14.0
12	Additional under construction.....miles..	4.5			4.5		
13	Maximum completed in any enterprise.....miles..	58.8	8.0	58.8	0.5	1.0	7.0
14	Maximum width at bottom of ditch ³.....feet..	24	20	24	12	6	8
15	Maximum of average depths of outlet ditches ³.....feet..	15.0	15.0	7.0	3.5	6.0	7.0
16	Mean depth of branch ditches ³.....feet..	5.7	3.9	5.9	6.0		5.7
17	Tile drains:						
18	Completed.....miles..	599.1	206.6	47.0		81.5	74.0
19	Additional under construction.....miles..	777.6		653.0	55.0	38.1	31.5
20	Maximum completed in any enterprise.....miles..	206.0	206.0	92.0	200	42.0	
21	Maximum size of tile ⁴.....inches..	24	18	20		24	
22	Accessory levees and dikes:						
23	Completed.....miles..	2.0					2.0
24	Additional under construction.....miles..						
25	Area drained by open ditches only ⁵.....acres..	1,050	1,050				
26	Length of these ditches.....miles..	7.0	7.0				
27	Average length per acre.....feet..	35.2	35.2				
28	Area drained by tile only ⁵.....acres..	4,321	750			3,571	
29	Length of these tile.....miles..	38.2	0.6			37.6	
30	Average length per acre.....feet..	46.7	4.2			55.6	
31	Area drained by open ditches and tile ⁵.....acres..	108,452	10,800	76,634	4,080	8,076	48,572
	Length of these drains.....miles..	1,456.3	214.0	979.0	5.0	88.2	174.5
	Average length per acre.....feet..	70.9	103.8	67.5	6.5	54.4	151.7
	Length of the accessory levees.....miles..	2.0					2.0
DEVELOPMENT OF LAND.							
32	Improved land in operating enterprises, 1920.....acres..	97,314	7,245	76,634	200	6,485	6,750
33	Improved land prior to drainage.....acres..	89,394	2,889	76,634	200	6,361	5,320
34	Increase since drainage.....acres..	7,920	4,356			134	3,430
35	Per cent of increase.....	8.9	150.7			2.1	109.3
36	Per cent increase is of all improved land in farms, 1920.....	0.5	2.0			0.2	1.1
37	Unimproved land, 1920 ².....acres..	16,500	5,445		3,880	5,103	2,022
38	Unimproved land prior to drainage ².....acres..	24,420	9,801		3,880	5,290	5,452
39	Decrease since drainage.....acres..	7,920	4,356			134	3,430
40	Per cent of decrease.....	32.4	44.4			2.5	62.0
41	Swampy, seeped, or alkali, 1920.....acres..	88,181	4,000	74,357	3,880	3,922	2,022
42	Swampy, seeped, or alkali prior to drainage.....acres..	104,592	9,800	76,634	3,880	5,776	8,502
43	Decrease since drainage.....acres..	16,411	5,800	2,277		1,854	6,480
44	Per cent of decrease.....	15.7	59.2	3.0		52.1	46.2
CAPITAL INVESTED AND COST PER ACRE.							
45	Total capital invested in and required for completion of operating enterprises.....dollars..	2,870,773	188,500	2,028,957	80,000	333,316	240,000
46	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	1,005,473	188,500	428,157	5,000	213,816	170,000
47	Additional capital required to complete these enterprises.....dollars..	1,865,300		1,000,800	75,000	119,500	70,000
48	Average cost per acre when completed.....dollars..	25.22	14.85	26.48	19.61	28.02	27.36
49	Enterprises constructing open ditches only.....dollars..	10,000	10,000				
50	Average cost per acre when completed.....dollars..	0.52	0.52				
51	Enterprises constructing tile drains only.....dollars..	141,050	3,500				
52	Average cost per acre when completed.....dollars..	32.64	4.67				
53	Enterprises constructing open ditches and tile drains.....dollars..	5,210,723	175,000	2,028,957	80,000	38,52	5,290,000
54	Average cost per acre when completed.....dollars..	25.08	16.07	26.48	19.61	24.24	27.36
CROPS.							
55	Improved land in enterprises reporting—						
56	Alfalfa as principal crop on drained land.....acres..	80,884		76,634	200		4,050
57	Sugar beets as principal crop on drained land.....acres..	14,630	5,445			6,485	2,700
	Other crops as principal ones on drained land.....acres..	1,800	1,900				

¹ Includes only Cache and Utah Counties.² No timber or cut-over land reported.³ When works under construction have been completed.⁴ Includes 2,700 acres having open ditches, tile drains, and levees.⁵ Includes cost of 2 miles of accessory levees.

MANUFACTURES—UTAH.

EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or for which products were valued at less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1919, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this section give the principal facts separately for the industries of the state. A selection has been made of certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice has been followed in compiling the statistics for 1919 and 1914 when placed in com-

parison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, by sex, without distinction of age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is not believed to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average numbers 16 years and over, and under 16, employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month, and while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

Pervailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital.—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the censuses of 1914 and 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except

as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal-revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture.—The value of products is not always a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry, from a manufacturing standpoint, is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of depreciation or interest, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured—and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.

GENERAL STATISTICS.

General character of the state.—Utah has a gross area of 84,990 square miles, of which 82,184 represent land surface. The inhabitants of the state in 1900 numbered 276,749; in 1910, 373,351; and in 1920, 449,396. In total population Utah ranked fortieth among the states in 1920. The number of inhabitants per square mile in 1910 was 4.5, the corresponding figure for 1920 being 5.5.

In 1920 there were three cities in the state—Ogden, Provo, and Salt Lake City—having more than 10,000 inhabitants. These three cities, with a combined population of 161,217 in that year, formed 35.9 per cent of the total population for Utah, and in 1919 reported 33.8 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and the value of products, as presented in Table 1, are in a great measure due to the change in industrial conditions brought about by the World War. However, the increases in primary horsepower and number of wage earners employed evidence the growth of the state's manufacturing activities. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. Salt Lake County, which includes Salt Lake City, is by far the most important county, reporting 48 per cent of the average number of wage earners in the state and 51 per cent of the value of products.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading, as indicating their importance from a manufacturing standpoint. Their ranking might change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate, obtained by the method described in the "Explanation of terms." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 29.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 200 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Increases are shown from census to census in all the details of this table, except that for Ogden the number under 16 years of age decreased from 1914 to 1919.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for the cities of Ogden, Provo, and Salt Lake City. There were a number of industries in the state in 1919 which reported a large proportion of female wage earners.

Pervailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Utah. In that year 28.6 per cent of the wage earners were included in the group "48 and under," as against 50.6 per cent in 1919. In 1914 the "60" and "over 60" groups constituted 24.6 per cent of the total wage earners, as compared with 8.1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state 96.6 per cent were in the several classes having less than 101 wage earners, while such establishments employed but 42.4 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 3.4 per cent of the total manufacturing establishments in the state, but reported 57.6 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at \$100,000 to \$1,000,000 constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in some instances to combine the establishments of one group of the industry with those of some other group of that industry, to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no index of the extent of manufacturing activities. Ogden, with only 22.1 per cent of the aggregate number of establishments shown in this table, reported 34.2 per cent of the combined value of products of the three cities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 39.1 per cent of the number of establishments in the state in 1919, they reported 90.6 per cent of the average number of wage earners and 93.4 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 4,863, or 39.8 per cent, and the value of products \$65,565,483, or 80.9 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in these three cities in 1919 represented 50 per cent of the total in the state. They reported in that year 53 per cent of the average number of wage earners and 33.8 per cent of the value of products.

Principal industries in Salt Lake City, with per cent of total for the state (Table 16).—This table includes all industries in Salt Lake City having products of \$500,000 and over for which figures can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919 as compared with that for 1914 shows an increase of 34,406 horsepower, or 57.8 per cent. Of this increase 13,538 horsepower, or 39.3 per cent, was in owned power, and 20,868 horsepower, or 60.7 per cent, in rented power.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE.			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	1,160	1,109	749	606	575	4.6	48.1	23.6	5.4
Persons engaged.....	23,107	17,126	14,133	9,650	(1)	34.9	21.2	46.5	.....
Proprietors and firm members.....	1,089	909	688	619	(1)	9.0	45.2	11.1	.....
Salaried employees.....	3,150	2,233	1,660	979	599	41.1	34.5	89.6	63.4
Wage earners (average number).....	18,863	13,894	11,785	8,052	5,413	35.8	17.9	46.4	48.8
Primary horsepower.....	93,942	59,536	42,947	19,397	12,674	57.8	38.6	121.4	53.0
Capital.....	\$140,785,034	\$71,843,168	\$52,628,640	\$20,004,011	\$13,219,039	96.0	36.5	102.4	98.7
Salaries and wages.....	27,135,482	13,095,957	10,366,053	6,195,753	3,263,134	93.1	32.1	67.3	89.9
Salaries.....	5,680,485	2,843,625	1,966,419	1,038,353	500,612	99.8	44.6	89.4	107.4
Wages.....	21,454,997	10,852,382	8,399,634	5,157,400	2,762,522	97.7	20.2	62.9	86.7
Paid for contract work.....	357,022	277,662	104,176	70,186	(1)	28.6	166.5	48.4	.....
Rent and taxes.....	3,303,252	986,464	684,230	232,397	(1)	235.4	44.2	.....	.....
Cost of materials.....	110,154,349	62,283,180	41,205,661	24,989,827	11,440,250	77.0	50.8	65.5	118.0
Value of products.....	156,933,071	87,112,300	61,989,277	38,926,464	17,981,648	80.2	40.5	59.2	116.5
Value added by manufacture ^a	46,778,722	24,870,180	20,723,616	13,088,087	6,541,308	88.0	20.1	48.2	113.8

^a Figures not available.^b Exclusive of internal revenue.^c Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establish-ments.	WAGE EARNERS.		Rent and taxes.	Cost of ma-terials.	Value of products.	Value added by manufac-ture.	Primary horse-power.
		Average number.	Wages.					
The state.....	1,160	18,863	\$21,454,997	\$3,308,252	\$110,154,349	\$156,933,071	\$46,778,722	93,942
Beaver.....	13	177	288,004	2,473	217,098	558,038	340,933	325
Box Elder.....	58	768	820,812	164,162	8,156,418	5,215,540	2,059,122	4,819
Cache.....	53	910	788,285	187,928	6,720,802	8,797,534	3,076,642	4,443
Carbon.....	30	318	499,137	38,916	1,456,150	2,545,514	1,089,884	271
Davis.....	19	405	412,762	231,355	5,305,370	6,736,850	1,430,980	2,414
Duchesne.....	23	35	35,564	3,128	174,947	268,110	91,172	656
Emery.....	8	6	4,480	423	6,685	25,462	18,777	80
Garfield.....	9	9	8,344	444	3,728	25,318	21,500	193
Iron.....	15	19	18,781	2,807	35,638	88,595	52,958	230
Juab.....	15	45	55,909	7,804	220,358	361,580	141,222	334

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TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Num- ber of estab- lish- ments.	WAGE EARNERS.		Rent and taxes.	Cost of ma- terials.	Value of products.	Value added by manufac- ture.	Primary horse- power.
		Average number.	Wages.					
Millard.....	15	180	\$212,899	\$2,124	\$296,466	\$546,495	\$250,029	429
Morgan.....	6	177	182,122	45,706	435,925	1,174,364	738,439	5,153
Piute.....	4	108	177,859	16,170	214,726	648,657	428,981	727
Rich.....	7	4	3,098	219	42,321	52,880	10,559	100
Salt Lake.....	461	9,063	10,817,648	1,553,821	56,969,027	79,998,194	23,029,167	41,957
San Juan.....	9	19	17,058	555	5,275	42,072	36,797	245
Sanpete.....	41	201	154,281	49,148	899,391	1,662,019	782,028	1,749
Sevier.....	34	135	177,474	132,976	1,167,204	1,771,965	604,761	1,281
Summit.....	25	133	172,030	8,260	252,584	471,364	218,780	714
Tooele.....	16	1,055	1,586,358	68,055	11,064,830	13,209,797	2,144,967	11,152
Utah.....	102	1,527	1,151,834	486,639	5,043,197	8,297,380	3,254,183	6,797
Wasatch.....	12	27	27,728	3,638	106,994	162,842	56,849	384
Washington.....	9	9	8,748	617	37,914	67,311	29,397	94
Wayne.....	6	3	2,521	374	7,804	14,599	6,795	146
Weber.....	153	3,549	3,834,374	303,127	16,220,423	23,006,548	6,788,125	9,280
All other counties ¹	17	36	40,067	2,883	92,484	191,035	98,551	486

¹All other counties include Daggett, Grand, Kane, and Uintah.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments	WAGE EARNERS.		VALUE OF PRODUCTS.		Value added by manufacture.	INDUSTRY.	Number of establishments	WAGE EARNERS.		VALUE OF PRODUCTS.		Value added by manufacture.		
		Average number	Percent distribution	Amount (expressed in thousands)	Percent distribution				Amount (expressed in thousands)	Percent distribution	Amount (expressed in thousands)	Percent distribution			
All industries.....	1,160	18,868	100.0	\$156,933	100.0	\$46,779	100.0	Food preparations, not elsewhere specified.....	16	44	0.2	\$1,273	0.8	\$105,02	
Smelting, lead.....	3	1,749	9.3	27,518	17.5	3,780	8.1	Knit goods.....	10	198	1.0	1,150	0.7	369,08	
Sugar, beet.....	16	2,214	11.7	20,569	18.1	7,939	17.0	Brick and tile, and fire-clay products.....	21	440	2.3	1,144	0.7	900,19	
Slaughtering and meat packing.....	11	446	2.4	11,124	7.1	1,092	2.3	Copper, tin, and sheet-iron work.....	48	149	0.8	1,017	0.7	475,10	
Cars and general shop construction and repairs by steam-railroad companies.....	9	3,318	17.6	8,585	5.5	5,351	11.4	Lumber, planing-mill products, not including planing mills connected with sawmills.....	33	200	1.0	950	0.6	526,11	
Flour-mill and gristmill products.....	77	249	1.3	7,569	4.8	1,017	2.2	Gas, illuminating and heating.....	4	172	0.9	700	0.5	495,11	
Confectionery and ice cream.....	49	1,123	6.0	6,238	4.0	2,939	6.3	Saddlery and harness.....	18	67	0.4	602	0.4	221,05	
Canning and preserving, fruits and vegetables.....	31	1,051	5.6	4,390	2.8	1,735	3.7	Clothing, men's.....	3	150	0.8	652	0.4	292,06	
Bread and other bakery products.....	97	485	2.6	3,367	2.1	1,223	2.6	Coffee, roasting and grinding.....	3	32	0.2	485	0.3	127,03	
Printing and publishing, newspapers and periodicals.....	101	525	4.4	3,130	2.0	2,264	4.8	Mineral and soda waters.....	23	63	0.3	484	0.3	231,05	
Butter.....	17	116	0.6	2,699	1.7	342	0.7	Mattresses and spring beds.....	8	80	0.4	446	0.3	188,04	
Foundry and machine-shop products.....	29	490	2.6	1,041	1.2	1,158	2.5	Ice, manufactured.....	17	105	0.6	306	0.3	307,07	
Chemicals.....	8	454	2.4	1,709	1.1	922	2.0	Lumber and timber products.....	80	166	0.9	387	0.2	330,07	
Cement.....	3	280	1.5	1,657	1.1	1,032	2.3	Marble and stone work, except slate.....	18	50	0.3	340	0.2	200,04	
Automobile repairing.....	125	426	2.2	1,537	1.0	948	2.0	Cars and general shop construction and repairs by electric-railroad companies.....	3	152	0.8	313	0.2	207,04	
Printing and publishing, book and job.....	51	373	2.0	1,384	0.9	861	1.8	All other industries ¹	228	3,201	17.0	43,031	27.4	9,173	19.6

¹ Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: Coke, not including gas-house coke; condensed milk; explosives; iron and steel, steel works and rolling mills; petroleum, refining; salt; smelting, copper; and tinware, not elsewhere specified.

TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	23,107	19,881	3,226	86.0	14.0	Clerks and other subordinate salaried employees.....	1919	2,004	1,432	572	71.5	28.5
	1914	17,126	15,143	1,983	88.4	11.6		1914	1,404	1,298	106	88.0	13.1
	1909	14,133	12,680	1,453	89.7	10.3		1909	1,127	923	204	81.9	18.1
Proprietors and officials.....	1919	2,235	2,152	83	96.3	3.7	Wage earners (average number).....	1919	18,868	16,297	2,571	86.4	13.6
	1914	1,738	1,688	52	97.0	3.0		1914	13,894	12,159	1,735	87.5	12.5
	1909	1,221	1,105	26	97.9	2.1		1909	11,785	10,562	1,223	89.6	10.4
Proprietors and firm members.....	1919	1,089	1,030	59	94.0	5.4	16 years of age and over.....	1919	18,655	16,156	2,499	86.6	13.4
	1914	990	968	31	96.9	3.1		1914	13,687	12,031	1,656	87.8	12.1
	1909	688	673	15	97.8	2.2		1909	11,675	10,470	1,205	89.7	10.3
Salaried officers of corporations.....	1919	286	259	7	97.4	2.6	Under 16 years of age.....	1919	213	141	72	66.2	33.8
	1914	192	184	8	95.8	4.2		1914	207	128	79	61.8	38.2
	1909	135	132	3	97.8	2.2		1909	110	92	18	83.6	16.4
Superintendents and managers.....	1919	880	863	17	98.1	1.9							
	1914	547	534	13	97.0	2.4							
	1909	398	390	8	98.0	2.0							

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TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-sus year.	Wage earners (average number).	PER CENT OF TOTAL.			INDUSTRY.	Cen-sus year.	Wage earners (average number).	PER CENT OF TOTAL.		
			16 years of age and over.		Un-der 16 years of age.				16 years of age and over.		Un-der 16 years of age.
			Male.	Fe-male.	Male.				Male.	Fe-male.	Male.
All industries.....	1919	18,868	85.6	13.2	1.1	Flour-mill and gristmill products.....	1919	249	95.6	4.0	0.4
	1914	13,594	88.6	11.9	1.4		1914	198	99.0	-----	1.0
	1909	11,785	88.8	10.2	0.9	Foundry and machine-shop products ²	1919	495	97.6	0.6	1.8
Automobile repairing.....	1919	426	89.3	0.2	0.5		1914	469	99.1	-----	0.9
	1914	31	100.0	-----	-----	Lumber, planing-mill products, not includ-ing planing mills connected with sawmills.....	1919	200	100.0	-----	-----
Bread and other bakery products.....	1919	485	63.3	34.0	2.7		1914	356	99.4	0.3	0.3
	1914	306	81.7	17.3*	1.0	Printing and publishing, book and job.....	1919	273	76.7	19.3	4.0
Brick and tile, and fire-clay products.....	1919	440	98.4	0.2	1.4		1914	291	82.8	13.0	4.2
	1914	438	98.8	-----	3.2	Printing and publishing, newspapers and periodicals.....	1910	825	90.4	6.8	2.8
Canning and preserving, fruits and vegeta-bles.....	1919	1,051	48.0	48.9	3.0		1914	536	81.7	13.8	4.5
	1914	634	35.0	53.0	12.0	Slaughtering and meat packing.....	1910	446	89.2	10.8	-----
Cars and general shop construction and repairs by steam-railroad companies.....	1919	3,318	99.4	0.6	-----	1914	138	94.9	5.1	-----	
	1914	2,193	99.9	0.1	-----	Smelting, lead.....	1919	1,749	99.9	0.1	-----
Cement.....	1919	280	97.5	2.5	-----		1914	1,382	99.9	-----	0.1
	1914	267	99.3	0.7	-----	Sugar, beet ¹	1910	2,214	93.1	0.9	-----
Chemicals ¹	1919	454	98.9	1.1	-----		1919	4,740	82.3	16.8	0.9
	1914	1,123	86.1	57.7	6.2	All other industries.....	1914	5,423	87.0	12.2	0.8
Confectionery and ice cream.....	1919	762	83.1	63.6	3.3						

¹ Not shown separately in 1914.² Includes "iron and steel, welding."

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	OGDEN.			PROVO. ¹		SALT LAKE CITY.		
	1919	1914	1909	1919	1914	1919	1914	1909
Wage earners (average number).....	3,111	1,894	1,323	525	380	6,362	4,931	4,287
16 years of age and over.....	3,087	1,846	1,319	518	325	6,226	4,849	4,243
Male.....	2,554	1,458	1,057	347	198	5,133	4,020	3,568
Female.....	533	388	262	171	127	1,093	820	677
Under 16 years of age.....	24	48	4	7	5	136	82	44
Value of products.....	\$18,140,831	\$6,014,358	\$8,712,957	\$1,639,461	\$843,722	\$33,356,011	\$16,002,040	\$13,851,537

¹ Figures for 1909 are not available.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	18,819	13,035	11,412	83.8	82.5	86.0	July.....	19,152	15,401	12,426	84.8	97.5	93.7
	17,028	12,332	10,449	75.4	78.4	78.7	August.....	10,600	14,993	12,284	86.8	94.9	92.1
February.....	18,280	12,578	10,594	72.1	70.6	79.8	September.....	20,412	15,794	13,277	90.4	100.0	100.0
	16,198	13,101	10,830	71.7	82.9	81.0	October.....	23,592	18,525	13,070	100.0	98.3	98.4
March.....	16,286	13,388	10,749	72.1	84.8	81.0	November.....	21,740	13,334	12,445	90.2	84.4	93.7
	17,400	14,262	11,808	77.0	90.3	80.4	December.....	20,911	12,937	12,053	92.6	81.9	90.8

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	18,868	18,819	17,028	16,280	16,196	16,288	17,400	19,152	19,600	20,412	22,592	21,740	20,911	71.7
Males.....	16,297	17,013	15,254	14,494	14,418	14,428	15,160	15,902	16,470	16,639	18,713	18,763	18,252	76.8
Females.....	2,571	1,800	1,774	1,788	1,778	1,860	2,240	3,190	3,130	3,773	3,870	2,077	2,659	45.7
Automobile repairing.....	420	304	327	345	378	433	476	505	508	492	459	445	442	60.1
Bread and other bakery products.....	485	445	452	461	455	471	507	510	515	493	498	515	498	80.4
Brick and tile and fire-clay products.....	440	261	274	337	377	445	530	564	594	580	494	434	400	43.9
Canning and preserving, fruits and vegetables.....	1,051	254	213	208	253	328	841	2,323	2,170	2,888	2,116	704	321	7.0
Cars and general shop construction and repairs by steam-railroad companies.....	3,318	3,398	3,400	3,472	3,370	2,847	3,075	3,143	3,257	3,344	3,436	3,467	3,611	81.1
Cement.....	280	173	182	233	253	290	299	304	341	358	384	305	295	48.9
Chemicals.....	454	492	453	547	437	351	842	455	458	496	491	449	449	62.5
Confectionery and ice cream.....	1,123	1,006	1,052	1,084	1,078	1,102	1,140	1,057	1,018	1,107	1,227	1,326	1,310	75.8
Flour-mill and gristmill products.....	249	228	241	237	231	232	233	232	256	287	281	284	266	80.3
Foundry and machine-shop products.....	490	587	569	504	535	560	584	558	557	260	296	370	440	44.3
Lumber, planing-mill products, not including planing mills connected with sawmills.....	200	153	155	165	168	176	198	204	226	226	220	251	252	60.7
Printing and publishing, book and job.....	373	354	357	358	369	379	372	546	364	372	357	407	411	84.2
Printing and publishing, newspaper and periodicals.....	825	824	821	821	824	823	817	822	820	824	834	834	836	97.7
Slaughtering and meat packing.....	440	554	476	462	451	460	433	442	414	399	414	426	431	72.0
Smelting, lead.....	1,740	2,253	2,003	1,957	1,813	1,598	1,514	1,533	1,600	1,585	1,685	1,745	1,698	67.2
Sugar, beet.....	2,214	2,825	1,825	775	864	1,059	1,258	1,109	1,234	1,467	4,403	5,024	4,035	15.4
All other industries.....	4,745	4,710	4,132	4,209	4,340	4,736	4,781	5,049	5,242	5,260	4,921	4,754	4,716	78.6
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.....	189	147	153	160	158	102	182	181	181	167	180	188	171	79.0
Canning and preserving, fruits and vegetables.....	536	33	16	38	18	29	328	1,290	1,191	1,738	1,303	337	99	0.9
Confectionery and ice cream.....	686	618	643	645	653	661	677	603	683	662	776	868	843	67.2
Printing and publishing, book and job.....	73	71	64	67	67	78	73	74	75	67	78	79	83	77.1
Printing and publishing, newspapers and periodicals.....	58	54	55	55	55	55	56	58	57	57	59	64	71	70.1
Slaughtering and meat packing.....	48	48	44	58	59	60	50	57	42	40	40	59	39	95.0
Sugar, beet.....	152	157	79	17	18	21	24	19	21	39	497	456	446	3.4
Total for cities.....	9,998	9,140	9,291	9,348	9,451	9,289	10,004	10,485	10,502	11,020	10,862	10,357	10,221	83.0
Males.....	8,143	7,678	7,779	7,786	7,887	7,673	8,189	8,410	8,604	8,602	8,425	8,353	8,340	89.2
Females.....	1,855	1,468	1,512	1,502	1,654	1,616	1,815	2,075	1,908	2,418	2,437	2,004	1,881	60.2
OGDEN.....	3,111	2,074	2,740	2,815	2,863	2,903	3,141	3,494	3,391	3,845	3,541	3,071	2,878	69.5
Males.....	2,562	2,694	2,370	2,395	2,443	2,483	2,533	2,703	2,738	2,967	2,760	2,547	2,454	77.4
Females.....	549	378	376	420	420	553	701	653	738	751	524	424	424	42.8
PROVO.....	525	380	381	387	376	400	475	627	558	830	823	553	515	44.2
Males.....	354	314	309	301	313	323	348	387	379	414	405	383	372	72.7
Females.....	171	72	72	66	63	86	127	240	179	416	418	170	143	15.1
SALT LAKE CITY.....	6,362	6,086	6,164	6,166	6,212	5,977	6,388	6,394	6,553	6,345	6,498	6,733	6,828	87.5
Males.....	5,227	5,068	5,100	5,090	5,131	4,867	5,253	5,320	5,477	5,221	5,260	5,423	5,514	88.3
Females.....	1,135	1,018	1,064	1,076	1,081	1,110	1,135	1,074	1,076	1,124	1,238	1,310	1,314	77.5

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							Over 60.
			44 and under.	Between 44 and 48.	48.	Between 48 and 54.	54.	Between 54 and 60.	60.	
All industries.....	1919	18,868	1,302	734	7,514	1,021	896	5,879	116	1,403
	1914	13,891	(2)	(2)	3,977	1,011	2,158	3,331	1,826	1,591
	1909	11,785	(2)	(2)	2,093	874	2,072	3,515	1,182	2,019
Automobile repairing.....	1919	420	.....	.....	181	53	179	11	2	.....
	1914	31	.....	.....	.....	.....	31	.....	.....	.....
Bread and other bakery products.....	1919	485	11	(2)	268	60	33	10	4	2
	1914	306	.....	.....	24	2	109	2	157	12
Brick and tile, and fire-clay products.....	1919	440	1	(2)	395	.....	37	7	.....	96
	1914	438	.....	.....	195	.....	60	4	83	.....
Canning and preserving, fruits and vegetables.....	1919	1,051	8	(2)	530	182	148	35	15	133
	1914	634	.....	.....	64	21	121	35	393	.....
Cars and general shop construction and repairs by steam-railroad companies.....	1919	3,318	.....	.....	2,188	.....	364	1,130	.....	133
	1914	2,193	(2)	(2)	790	.....	364	804	102	.....
Cement.....	1919	290	.....	.....	88	.....	.....	97	.....	95
	1914	267	.....	.....	.....	.....	.....	175	.....	92
Chemicals ⁴	1919	454	7	.....	80	.....	84	111	.....	172
Confectionery and ice cream.....	1919	1,123	390	(2)	197	217	6	2	3	51
	1914	762	.....	.....	55	270	397	2	35	35
Flour-mill and gristmill products.....	1919	240	24	.....	62	40	51	1	55	16
	1914	198	(2)	(2)	9	.....	38	15	86	50
Foundry and machine-shop products ⁴	1919	495	47	2	410	.....	32	4	4	.....
	1914	469	(2)	(2)	98	133	233	1	1	.....

¹Includes 44 and under for 1914 and 1909.

²Corresponding figures not available.

³Not shown separately in 1914.

⁴Includes "iron and steel, welding."

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	200	118	.....	71	2	9	.....	.....	.....
	1914	356	(2)	(2)	200	70	24	.....	2	.....
Printing and publishing, book and job.	1919	373	32	4	333	.....	4	.....	.....	.....
	1914	261	(2)	(2)	243	15	3	.....	.....	.....
Printing and publishing, newspapers and periodicals.	1919	825	13	.....	791	1	8	3	7	2
	1914	538	(2)	(2)	494	7	28	2	5	.....
Slaughtering and meat packing.	1919	446	8	156	281	.....	6	6	102	.....
	1914	138	(2)	(2)	3	.....	27	.....	.....	.....
Smelting, lead.	1919	1,749	.....	.....	.....	.....	.....	1,740	.....	405
	1914	1,882	.....	.....	.....	.....	.....	1,417	.....	.....
Sugar, beet ^a .	1919	2,214	32	.....	63	.....	.....	1,383	.....	736
All other industries.	1919	4,740	616	222	1,576	406	299	1,383	20	199
	1914	5,423	(2)	(2)	1,742	493	723	1,040	717	703
Total for cities.	1919	9,998	1,211	558	5,685	1,002	361	1,060	16	195
	1914	7,155	(2)	(2)	2,805	880	1,712	750	685	304
OGDEN.	1919	3,111	452	3	2,007	443	100	40	4	62
	1914	1,894	(2)	(2)	1,180	112	209	73	201	39
PROVO.	1919	525	.....	86	210	74	18	132	.....	5
	1914	330	.....	(2)	47	6	115	.....	154	8
SALT LAKE CITY.	1919	6,362	759	469	3,468	485	243	888	12	36
	1914	4,931	(2)	(2)	1,578	762	1,388	686	280	237

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Not shown separately in 1914.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—									
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.	
			Establishments.	Establishments.	Establishments.	Establishments.	Establishments.	Establishments.	Establishments.	Establishments.	Establishments.	
All industries.	1,160	18,803	196	654	1,324	168	1,803	68	2,201	38	2,670	28
Automobile repairing.	125	426	9	92	182	22	187	2	57	.....	.....	.....
Bread and other bakery products.	97	485	20	54	89	12	136	3	98	2	162	.....
Brick and tile, and fire-clay products.	21	440	.....	12	20	4	51	2	59	1	73	237
Canning and preserving, fruits and vegetables.	31	1,051	.....	3	12	10	129	9	283	9	627	.....
Cars and general shop construction and repairs by steam-railroad companies.	9	3,318	.....	.....	1	20	.....	.....	5	633	.....	2
Cement.	3	280	.....	.....	.....	.....	.....	3	280	.....	1,427	1,238
Chemicals.	8	464	.....	3	12	1	7	.....	2	156	2	279
Confectionery and ice cream.	49	1,123	10	21	46	9	97	5	168	1	73	376
Flour-mill and gristmill products.	77	249	6	64	136	6	74	1	39	.....	1	368
Foundry and machine-shop products.	29	490	3	14	43	4	34	5	181	3	232	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.	33	200	4	21	50	5	50	2	47	1	53	.....
Printing and publishing, book and job.	51	373	10	21	59	15	148	5	166	.....	.....	.....
Printing and publishing, newspapers and periodicals.	101	825	36	56	119	3	25	2	78	1	53	3,550
Slaughtering and meat packing.	11	446	.....	7	15	2	13	.....	.....	1	156	1,262
Smelting, lead.	3	1,749	.....	.....	.....	.....	.....	.....	.....	3	1,740	.....
Sugar, beet.	16	2,214	.....	.....	.....	.....	.....	1	32	5	357	1,251
All other industries.	406	4,745	92	286	541	72	832	31	993	8	604	5,690
Total for cities.	580	9,998	76	300	676	122	1,298	47	1,533	18	1,205	11
OGDEN.	128	3,111	10	64	139	31	830	13	459	5	293	3,390
PROVO.	87	525	1	25	54	6	56	1	46	3	251	1,118
SALT LAKE CITY.	415	6,362	65	211	483	85	912	33	1,023	10	751	7,129

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TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	1,100	1,109	749	18,868	13,894	11,785	\$156,933,071	\$87,112,360	\$61,989,277	\$46,778,722	\$24,879,180	\$20,723,016
Less than \$5,000.....	307	533	282	231	502	399	905,130	1,137,653	704,098	605,847	740,203	479,371
\$5,000 to \$20,000.....	365	297	220	372	1,007	870	3,891,712	2,944,461	2,270,058	2,194,886	1,636,553	1,210,958
\$20,000 to \$100,000.....	263	179	176	2,410	2,164	2,244	11,893,055	8,187,148	7,716,935	5,395,369	3,194,026	3,251,752
\$100,000 to \$500,000.....	117	84	{ 64	{ 4,751	{ 5,143	{ 5,081	{ 24,737,801	{ 17,553,687	{ 18,197,110	{ 10,768,136	{ 5,401,822	{ 8,197,586
\$500,000 to \$1,000,000.....	20	5	{ 64	{ 8,777	{ 5,078	{ 3,191	{ 13,079,920	{ 2,858,058	{ 101,475,453	{ 54,451,355	{ 33,100,176	{ 22,412,602
\$1,000,000 and over.....	28	11	7	8,777	5,078	3,191	101,475,453	54,451,355	33,100,176	22,412,602	10,136,003	7,574,940
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	31.6	48.1	37.7	1.2	3.6	3.4	0.6	1.3	1.1	1.3	3.0	2.3
\$5,000 to \$20,000.....	31.5	26.8	29.4	4.6	7.2	7.4	2.5	3.4	3.7	4.7	6.6	5.9
\$20,000 to \$100,000.....	22.7	16.1	23.5	12.8	15.6	19.0	7.6	9.3	12.4	11.5	12.8	15.7
\$100,000 to \$500,000.....	10.1	7.6	{ 8.5	{ 25.2	{ 37.0	{ 43.1	{ 15.8	{ 20.2	{ 29.4	{ 23.0	{ 38.9	{ 39.6
\$500,000 to \$1,000,000.....	1.7	0.5	{ 9.7	{ 46.5	{ 36.5	{ 27.1	{ 8.9	{ 3.3	{ 62.5	{ 11.5	{ 47.9	{ 40.7
\$1,000,000 and over.....	2.4	1.0	0.9	46.5	36.5	27.1	64.7	62.5	53.4	47.9	40.7	36.6

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	Percent distribution.		1919	1914	Percent distribution.		1919	1914	Percent distribution.	
			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS.....	97	86	100.0	100.0	485	306	100.0	100.0	\$3,357,450	\$1,370,225	100.0	100.0
Less than \$5,000.....	23	39	23.7	45.3	12	18	2.5	5.9	65,347	97,570	1.9	7.1
\$5,000 to \$20,000.....	48	32	49.5	37.2	58	64	12.0	20.9	518,622	292,357	15.4	21.3
\$20,000 to \$100,000.....	19	11	19.6	12.8	125	102	25.8	33.3	830,323	409,439	26.2	29.9
\$100,000 to \$500,000.....	7	4	7.2	4.7	290	122	59.8	30.9	1,893,158	570,580	56.4	41.7
BUTTER.....	17	23	100.0	100.0	116	118	100.0	100.0	2,608,705	1,074,343	100.0	100.0
Less than \$5,000.....	1.3	3	17.0	30.4	1	4	0.9	3.4	8,571	119,650	0.8	1,211
\$5,000 to \$20,000.....	7	10	41.2	43.5	12	50	10.3	42.4	71,583	327,482	6.7	12,941
\$20,000 to \$100,000.....	7	3	41.2	13.0	103	53	88.8	44.9	383,926	610,703	35.7	42,035
\$100,000 and over.....									2,351,663		56.8	55,483
CANNING AND PRESERVING, FRUITS AND VEGETABLES.....	31	31	100.0	100.0	1,051	634	100.0	100.0	4,389,529	2,201,714	100.0	100.0
Less than \$20,000.....	4	5	12.9	16.1	21	16	2.0	2.5	31,626	20,115	0.7	9,769
\$20,000 to \$100,000.....	13	16	41.9	51.6	279	243	26.5	38.3	780,887	746,821	33.9	280,550
\$100,000 to \$500,000.....	14	10	45.2	32.3	751	375	71.5	59.1	3,577,016	1,434,778	65.2	1,444,288
CONFETIONERY AND ICE CREAM.....	49	59	100.0	100.0	1,123	762	100.0	100.0	6,238,375	2,615,172	100.0	100.0
Less than \$5,000.....	10	27	32.7	45.8	4	16	0.4	2.1	42,967	49,711	0.7	20,822
\$5,000 to \$20,000.....	8	15	16.3	25.4	22	40	2.0	5.2	102,643	146,522	5.6	32,363
\$20,000 to \$100,000.....	17	10	34.7	16.9	168	101	14.8	13.3	888,507	409,410	14.2	377,750
\$100,000 to \$500,000.....	5	27	10.2	11.9	192	205	17.1	79.4	931,334	22,009,529	14.9	448,032
\$500,000 and over.....	3		6.1		739		65.8		4,272,924		68.5	2,060,491
FLOUR-MILL AND GRISTMILL PRODUCTS.....	77	70	100.0	100.0	249	198	100.0	100.0	7,569,434	3,155,513	100.0	100.0
Less than \$5,000.....	6	4	5.7		1	6.0	0.5		11,661		0.4	
\$5,000 to \$20,000.....	19	24	24.7	34.3	115	24	12.1		1256,710	278,905	3.4	
\$20,000 to \$100,000.....	40	33	51.9	47.1	75	107	30.1		1,932,330	1,571,685	25.5	
\$100,000 to \$500,000.....	14	9	18.2	12.9	68	66	27.3		1,293,262	74,567	49.8	
\$500,000 and over.....	4		5.2		91		30.5		3,129,522		41.3	
FOUNDRY AND MACHINE-SHOP PRODUCTS ^a	33	36	100.0	100.0	495	469	100.0	100.0	1,970,878	1,392,830	100.0	100.0
Less than \$5,000.....	6	12	18.2	33.3	5	10	1.0	2.1	21,063	24,448	1.1	2,720
\$5,000 to \$20,000.....	11	14	33.3	38.9	24	44	4.8	9.4	120,285	103,562	7.9	55,245
\$20,000 to \$100,000.....	9	6	27.3	16.7	100	157	20.2	33.5	465,298	365,993	25.5	320,951
\$100,000 to \$500,000.....	7	4	21.2	11.1	368	258	73.9	55.0	1,373,232	892,827	41.0	260,664
\$500,000 and over.....											64.1	148,032
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	101	108	100.0	100.0	825	536	100.0	100.0	3,129,560	1,817,421	100.0	100.0
Less than \$5,000.....	49	70	48.5	64.8	33	78	4.0	14.6	123,774	158,791	4.0	17,034
\$5,000 to \$20,000.....	38	29	37.6	26.9	94	99	11.4	18.5	390,532	255,250	6.1	78,588
\$20,000 to \$100,000.....	8	5	7.9	4.6	17	45	2.1	8.4	289,127	189,448	14.0	13,700
\$100,000 and over.....	6	4	5.9	3.7	681	314	82.5	58.6	2,326,127	1,213,032	64.1	315,457

^a Includes the group "Less than \$5,000."

^a Includes the group "\$500,000 and over."

^a Includes "iron and steel, welding."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANU- FACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
OGDEN.....	128	3,111	100.0	\$18,149,831	100.0	\$5,411,400	100.0
Less than \$5,000.....	31	23	0.7	77,259	0.4	49,728	0.0
\$5,000 to \$20,000.....	33	102	3.3	399,826	2.2	228,058	4.2
\$20,000 to \$100,000.....	39	412	13.2	1,698,744	9.4	871,092	16.1
\$100,000 to \$500,000.....	19	746	24.0	4,075,934	22.5	1,757,407	32.5
\$500,000 and over.....	6	1,828	55.8	11,898,068	65.6	2,505,175	40.3
PROVO.....	37	525	100.0	1,539,461	100.0	834,406	100.0
Less than \$5,000.....	13	13	2.5	40,406	2.6	29,082	3.5
\$5,000 to \$20,000.....	13	45	8.6	159,823	10.4	90,040	10.8
\$20,000 to \$100,000.....	6	52	9.9	322,859	21.0	112,835	13.5
\$100,000 to \$500,000.....	5	415	79.0	1,016,373	66.0	602,532	72.2
SALT LAKE CITY.....	415	6,302	100.0	33,356,911	100.0	15,937,802	100.0
Less than \$5,000.....	99	53	0.8	256,010	0.8	165,595	1.0
\$5,000 to \$20,000.....	142	376	5.9	1,579,376	4.7	992,308	6.2
\$20,000 to \$100,000.....	117	1,087	17.1	5,307,360	15.9	2,786,065	17.5
\$100,000 to \$500,000.....	46	2,113	33.2	9,989,708	29.9	4,877,392	30.6
\$500,000 to \$1,000,000.....	6	443	7.0	4,604,636	13.8	1,296,194	8.1
\$1,000,000 and over.....	5	2,290	36.0	11,610,771	34.8	5,820,188	36.0

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.									
			In establishments owned by—			Per cent of total.			Total.			Of establishments owned by—			Per cent of total.			
			Total.	Individ- uals.	Cor- pora- tions.	All oth- ers.	Individ- uals.	Corpor- ations.	All oth- ers.	Individ- uals.	Corpor- ations.	All oth- ers.	Individ- uals.	Corpor- ations.	All oth- ers.	Individ- uals.	Corpor- ations.	All oth- ers.
All industries.....	1910	435 453 272	18,868	886	17,096	886	4.7	90.6	4.7	\$156,933,071			\$5,336,254	\$146,593,052	\$5,003,765	3.4	93.4	3.2
	1914	472 390 247	13,894	805	12,233	766	0.4	88.0	5.5	87,112,360			3,423,048	81,027,509	2,661,143	3.9	93.0	3.1
Bread and other bakery products.	1919	52 14 31	485	111	327	47	22.9	67.4	9.7	3,357,450			846,198	2,076,432	434,820	25.2	61.8	13.0
	1914	57 10 19	306	79	169	53	25.8	55.2	10.0	1,370,225			387,708	628,233	364,284	28.3	45.8	25.9
Butter.....	1919	2 11 4	116	102	114	—	87.0	12.1	2,698,795			2,368,644	1,330,151	—	87.8	12.2	—	
	1914	5 14 4	118	6	105	7	5.1	89.0	5.0	1,074,843			111,600	912,200	51,043	10.4	84.9	4.7
Canning and preserving, fruits and vegetables.	1919	1 29 1	1,051	1,051	1,051	—	100.0	—	4,389,529			2,438,529	1,201,714	—	100.0	100.0	—	
	1914	2 29	634	634	634	—	100.0	—	2,201,714			2,201,714	—	—	100.0	100.0	—	
Cars and general shop construction and repairs by steam-railroad companies.	1919	— 9	3,318	3,318	3,318	—	100.0	—	8,584,993			8,584,993	—	—	100.0	100.0	—	
	1914	— 8	2,193	2,193	2,193	—	100.0	—	3,574,891			3,574,891	—	—	100.0	100.0	—	
Confectionery and ice cream.	1919	18 15 16	1,123	51	1,030	42	4.5	91.7	3.7	6,238,375			333,360	5,549,731	355,225	5.3	89.0	5.7
	1914	30 18 11	762	52	694	16	6.8	91.1	2.1	2,615,172			173,883	2,355,537	32,802	6.6	90.2	3.2
Flour-mill and gristmill products.	1919	16 50 11	249	23	206	20	9.2	82.7	8.0	7,589,434			744,585	6,210,260	605,589	9.8	82.2	8.0
	1914	15 50 5	198	21	170	7	10.6	85.0	3.5	3,185,513			431,887	2,595,553	128,073	13.7	82.2	4.1
Printing and publishing, newspapers and periodicals.	1919	35 37 29	825	48	582	195	5.8	70.5	23.6	3,129,560			163,027	2,264,171	701,762	5.2	72.3	22.4
	1914	41 32 35	536	77	251	208	14.4	46.8	38.8	1,817,421			174,965	1,174,658	467,798	9.6	64.6	25.7
Smelting, lead.....	1919	— 3	1,749	—	1,749	—	100.0	—	27,518,050			27,518,050	—	—	100.0	—	—	
	1914	— 3	1,882	—	1,882	—	100.0	—	21,752,102			21,752,102	—	—	100.0	—	—	
Total for cities.....	1919	212 240 128	9,998	588	8,715	695	5.9	87.2	7.0	53,046,203			3,018,341	46,727,701	8,300,161	5.7	88.1	0.2
	1914	200 197 112	7,155	588	6,004	563	8.2	83.9	7.9	23,521,020			2,157,374	19,401,871	1,961,775	9.2	82.5	8.3
OGDEN.....	1919	55 55 18	3,111	152	2,859	100	4.9	91.0	3.2	18,149,831			911,545	16,744,653	493,633	5.0	92.3	2.7
	1914	44 45 21	1,894	159	1,641	94	8.4	86.6	5.0	6,014,358			598,031	5,123,239	293,088	9.9	85.2	4.0
PROVO.....	1919	15 14 8	525	37	467	21	7.0	80.0	4.0	1,539,461			138,627	1,275,056	130,778	8.7	82.8	8.5
	1914	17 12 4	330	29	293	8	8.8	88.8	2.4	843,722			77,659	682,842	83,221	9.2	80.0	0.0
SALT LAKE CITY.....	1919	142 171 102	6,362	399	5,389	574	6.3	84.7	9.0	33,356,911			1,973,160	28,707,992	2,676,750	5.9	86.1	8.0
	1914	139 140 87	4,931	400	4,070	481	8.1	82.5	9.4	16,662,940			1,481,634	13,595,790	1,585,466	8.9	81.6	9.5

¹ Includes the group "Individuals."² Includes the groups "Individuals" and "All others."

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TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
		Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
		Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places.....		3		1		1		1			
1919											
1914		3		1		1		1			
1909		2		2							
Population ¹	449,396	161,217	35.9	10,303	2.3	32,804	7.3	118,110	26.3	288,179	64.1
1920				10,091	2.4	29,528	7.1	109,736	26.5	265,163	64.0
1915	414,518	140,355	36.0							254,994	68.3
1910	373,351	118,357	31.7			118,357	31.7				
Number of establishments.....	1,160	580	50.0	37	3.2	128	11.0	415	35.8	580	50.0
1919											
1914	1,109	509	45.9	33	3.0	110	9.9	368	33.0	600	54.1
1909	749	313	41.8			313	41.3			436	58.2
Average number of wage earners.....	18,868	9,998	53.0	525	2.8	3,111	16.5	6,362	33.7	8,870	47.0
1919											
1914	13,894	7,155	51.5	330	2.4	1,894	13.6	4,931	35.5	8,739	48.5
1909	11,785	5,610	47.6			5,610	47.6			6,175	52.4
Value of products.....	\$156,933,071	\$53,046,203	33.8	\$1,538,461	1.0	\$18,149,831	11.6	\$33,356,911	21.2	\$103,886,868	66.2
1919				843,722	1.0	6,014,358	6.9	10,662,940	19.1	63,591,340	73.0
1914	87,112,360	23,521,020	27.0			17,064,504	27.5			44,924,773	72.5
1909	61,939,277	17,064,504	27.5								
Value added by manufacture.....	46,778,722	22,183,757	47.4	834,495	1.8	5,411,460	11.6	15,937,802	34.1	24,594,965	52.6
1919											
1914	24,879,180	10,908,621	43.8	332,349	1.3	2,446,707	9.8	8,129,565	32.7	13,970,559	56.2
1909	20,723,616	8,384,056	40.5			8,384,056	40.5			12,339,560	59.5

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN SALT LAKE CITY (THE ONLY CITY IN THE STATE HAVING 50,000 INHABITANTS OR MORE), WITH PER CENT OF TOTAL FOR STATE: 1919.

INDUSTRY.	VALUE OF PRODUCTS.				INDUSTRY.	VALUE OF PRODUCTS.				
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.		
			Amount.	Per cent.				Amount.	Per cent.	
Confectionery and ice cream.....	\$4,917,203	78.8	\$3,150,235	178.3	Foundry and machine-shop products ²	\$1,487,097	75.1	\$430,396	40.7	
Cars and general shop construction and repairs by steam-railroad companies.....	4,304,276	60.1	(¹)		Printing and publishing, book and job.....	1,125,812	81.3	408,114	71.2	
Bread and other bakery products.....	2,471,099	73.6	1,623,510	191.5	Lumber, planing-mill products, not including planing mills connected with sawmills.....	666,189	70.1	142,675	27.3	
Printing and publishing, newspapers and periodicals.....	2,450,621	78.8	1,036,598	73.3	Automobile repairing.....	627,277	40.8	(¹)		
Butter.....	1,904,970	70.6	1,399,541	276.9	Knit goods.....	515,674	44.6	313,898	155.6	

¹ Figures can not be shown without disclosing individual operations.

² Includes "iron and steel, welding."

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
				Amount.			Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total.....	4,225	2,335	1,351	93,942	59,536	42,947	100.0	100.0	100.0
Owned.....	487	514	462	51,522	37,984	32,307	54.8	63.8	75.2
Steam ¹	368	366	352	46,996	34,020	29,084	50.0	57.1	67.7
Engines.....	344	(²)	(²)	37,558	(²)	(²)	40.0		
Turbines.....	24	(²)	(²)	9,440	(²)	(²)	10.0		
Internal-combustion engines.....	50	50	27	968	470	226	1.0	0.8	0.5
Water.....	69	98	83	8,558	3,494	2,997	3.8	5.9	7.0
Water wheels and turbines.....	67	82	81	3,522	3,343	2,028	3.7	5.6	6.8
Water motors.....	2	16	2	36	151	71	(²)	0.3	0.2
Rented.....	3,738	1,821	889	42,420	21,552	10,640	45.2	36.2	24.8
Electric.....	3,738	1,821	889	41,275	21,552	10,692	48.9	36.2	24.7
Other.....				1,145		48	1.2		0.1
Electric.....	4,516	2,338	1,192	58,721	34,018	15,402	100.0	100.0	100.0
Rented.....	3,738	1,821	889	41,275	21,552	10,592	70.3	63.4	68.8
Generated by establishments reporting.....	778	517	303	17,446	12,466	4,810	29.7	36.6	31.2

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.

² Not reported separately.

³ Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1,224	1,030,819	169,989	257,918	1,547	24,675
1919.....			204,867	391,367	(1)	20,378
1914.....	1,685	1,150,745	—17.0	—32.9	(1)	21.1
Per cent of increase ¹ .	—22.8	—10.4				
Bread and other bakery products.....	303	4,369	1,491	44	156	6,971
Brick and tile, and fire-clay products.....		28,573				
Canning and preserving, fruits and vegetables.....	1	7,256	776		104	
Cars and general shop construction and repairs by steam-railroad companies.....	536	27,478	660	90,400		
Cement.....		68,187				
Chemicals.....		30,101		12,086	822	
Coke, not including gas-house coke.....		403,926				
Condensed milk.....		7,196				
Foundry and machine-shop products.....	45	1,616	2,406	206	1	4,076
Gas, illuminating and heating.....		35,812	2,023	12,352		
Ice, manufactured.....		15,720				
Liquors, cereal beverages.....		4,447	57			
Petroleum, refining.....		10,408		72,250		
Salt.....		5,532				
Slaughtering and meat packing.....	85	8,435				
Smelting, copper.....		95,882	22,224	65,576		
Smelting, lead.....		91,995	130,477	4,600		
Sugar, beet.....		153,537	8,142		35	
All other industries.....	164	24,373	1,713	814	429	13,628
Total for cities.....	1,045	144,250	8,140	145,158	374	24,626
OGDEN.....	121	24,647	2,983	58,100	164	2,265
PROVO.....	6	7,750	258	12	9	1,035
SALT LAKE CITY.....	918	111,862	4,899	87,046	201	21,289

¹ Included in figures for fuel oils.² A minus sign (—) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for five of these industries for Utah are here presented.

Beet sugar (Table 19).—Statistics for the beet-sugar industry are shown for the first time for this state. In 1919 Utah ranked fourth among the states in value of products of the beet-sugar industry.

The following table shows for 1919 the quantity and value of the products made from sugar beets of domestic origin:

TABLE 19.—BEET SUGAR: 1919.

	Amount.
Total value.....	\$20,569,135
Sugar:	
Granulated—	
Pounds.....	188,904,150
Value.....	\$19,661,943
Raw—	
Pounds.....	324,095
Value.....	\$15,381
Molasses:	
Gallons.....	6,009,046
Value.....	\$705,569
All other products, value.....	\$196,242

Flour-mill and gristmill products (Table 20).—This table shows the quantity and value of the different products of these mills for 1919, 1914, and 1909.

Wheat flour was the product of chief value, forming 75.4 per cent in 1919 and 71.1 per cent in 1914 of the total value of the industry in the state. The total value of all products for the industry increased \$4,413,921, or 139.9 per cent, during the five-year period, and the value of wheat flour \$3,468,504, or 154.7 per cent. There was only a small increase, however, in the number of barrels of wheat flour, 40,032, or 7.9 per cent.

TABLE 20.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$7,569,434	\$3,155,518	\$3,130,895
Wheat flour:			
Barrels.....	545,256	505,224	459,248
Value.....	\$5,710,921	\$2,242,417	\$2,355,109
Rye flour:			
Barrels.....	465	223	365
Value.....	\$8,910	\$1,088	\$2,038
Corn meal and corn flour:			
Barrels.....	3,292	154	259
Value.....	\$27,683	\$886	\$1,239
Bran and middlings:			
Tons.....	22,784	21,450	(1)
Value.....	\$920,776	\$474,493	(1)
Feed and offal:			
Tons.....	8,167	10,573	27,284
Value.....	\$366,907	\$410,125	\$588,611
Hominy and grits:			
Pounds.....	14,000	—	—
Value.....	\$700	—	—
Breakfast foods:			
Pounds.....	5,597,426	686,910	—
Value.....	\$527,226	\$20,835	—
All other cereal products, value.....	\$360	\$5,669	\$88,680
All other products, value.....	\$11,271	—	\$98,418

¹ Included in "Feed and offal."

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Canning and preserving (Table 21).—This table shows in detail the quantities and values of the fruits and vegetables canned and preserved during 1919, 1914, and 1909.

From 1914 to 1919 the total value of all products increased \$2,127,834, or 87.6 per cent. Of this total \$1,822,972, or 85.7 per cent, was for canned vegetables, and \$286,595, or 13.5 per cent, for canned fruits. Pickles, preserves, and sauces, while not an important branch of the industry, shows a decrease in value of \$59,981, or 26.3 per cent, during the five-year period.

TABLE 21.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$1,455,038	\$2,429,804	\$1,059,487
Canning and preserving fruits and vegetables.....	\$4,380,520	\$2,201,714	\$867,829
Pickles, preserves, and sauces.....	\$168,109	\$225,090	\$191,658
Canned vegetables:			
Cases.....	1,232,508	1,113,613	420,147
Value.....	\$3,701,899	\$1,938,927	\$776,136
Tomatoes—			
Cases.....	667,084	698,257	332,372
Value.....	\$1,982,444	\$1,250,280	\$603,998
Peas—			
Cases.....	409,744	384,144	61,156
Value.....	\$1,262,108	\$510,892	\$100,712
Beans—			
Cases.....	106,714	64,592	15,657
Value.....	\$281,109	\$134,791	\$33,084
Pumpkins—			
Cases.....	(2)	8,625	2,880
Value.....	(2)	\$5,500	\$5,900
All other—			
Cases.....	49,056	14,995	8,102
Value.....	\$236,148	\$37,464	\$32,542
Canned fruits:			
Cases.....	99,051	106,884	12,245
Value.....	\$505,804	\$210,209	\$32,365
Cherries—			
Cases.....	26,715	(2)	(2)
Value.....	\$100,670	(2)	(2)
Apples—			
Cases.....	33,243	12,591	4,191
Value.....	\$133,155	\$21,582	\$6,956
Apricots—			
Cases.....	21,848	(2)	(2)
Value.....	\$113,217	(2)	(2)
Peaches—			
Cases.....	14,861	20,955	2,439
Value.....	\$83,325	\$43,399	\$6,906
Pears—			
Cases.....	2,117	4,777	1,566
Value.....	\$9,968	\$14,347	\$7,108
Berries—			
Cases.....	587	2,206	1,069
Value.....	\$3,672	\$4,787	\$5,463
All other—			
Cases.....	280	66,355	2,980
Value.....	\$1,707	\$135,114	\$6,082
All other products, including pickles, preserves, and sauces, value.....	\$289,935	\$271,668	\$250,986

¹ In addition, canned vegetables and fruits, valued at \$39,761 in 1919 and \$12,550 in 1914, were reported by establishments engaged primarily in the manufacture of other products.

² Included in "All other."

Printing and publishing (Table 22).—This table shows, for 1919, 1914, and 1909, the number of publications and their aggregate circulation by period of issue.

Notwithstanding a decrease in certain classes of publications, the combined circulation increased 26.1 per cent from 1914 to 1919, and 81.5 per cent from 1909 to 1919. Of the daily papers, 3, with a circulation of 69,370, were published in the morning, and 5, with a circulation of 95,969, in the afternoon. There were 9 publications in foreign languages, with a circulation of 10,573. One was a daily, in Japanese, and 1 a triweekly, also in Japanese. The others were weekly newspapers—2 in the Greek language and 1 each in Danish, Dutch, German, Italian, and Swedish.

TABLE 22.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	107	121	94	475,501	376,962	261,937
Daily.....	8	8	8	165,339	82,171	57,498
Sunday.....	3	3	3	106,076	92,580	45,428
Semiweekly ¹	9	6	8	23,245	26,642	35,883
Weekly.....	68	82	65	79,491	91,339	71,542
Monthly ²	19	22	10	101,350	84,230	51,606

¹ Includes 3 triweekly publications in 1919 and 1909.

² Includes 1 semimonthly and 2 quarterly publications in 1919, 1 semimonthly and 2 bimonthly in 1914, and 2 semimonthly in 1909.

Butter, cheese, and condensed milk (Table 23).—This table shows the quantity and value of the several products of the industry for 1919, 1914, and 1909.

Butter, the product of chief value, formed 87.1 per cent of the total value of all products in 1919, as compared with 45.7 per cent in 1914. During this period the quantity of butter increased 22.2 per cent, while the value, because of the prevailing high prices in 1919, increased 143.2 per cent.

TABLE 23.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$2,983,979	\$2,298,153	\$1,971,031
Butter, value.....	\$2,556,184	\$1,051,143	\$1,137,388
Packed solid—			
Pounds.....	328,301	1,415,751	650,707
Value.....	\$181,451	\$412,040	\$193,311
Prints or rolls—			
Pounds.....	3,997,037	2,123,606	3,072,077
Value.....	\$2,374,713	\$639,103	\$944,077
Cheese:			
Pounds.....	1,070,933	1,094,448	1,060,122
Value.....	\$304,054	\$153,252	\$157,058
Cream sold:			
Pounds.....	100,435	457,931	1,114,836
Value.....	\$44,077	\$53,033	\$123,528
All other products, value.....	\$29,084	\$1,040,675	\$548,057

¹ Excludes statistics for establishments engaged primarily in the manufacture of condensed milk, to avoid disclosure of individual operations.

Laundries (Table 24).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 24, however, summarizes the statistics for such laundries in the state of Utah for 1919 and 1914.

TABLE 24.—POWER LAUNDRIES: 1919 and 1914.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1914-1919.
	1919	1914	
Number of establishments.....	27	36	..... 1.3
Persons engaged.....	1,213	1,197	.....
Proprietors and firm members.....	20	31	.....
Salaried employees.....	153	98	.....
Wage earners (average number).....	1,040	1,070	-2.3
Primary horsepower.....	1,865	1,926	-3.2
Capital.....	\$1,954,869	\$1,213,651	61.1
Salaries and wages.....	960,991	839,040	40.3
Salaries.....	199,280	108,567	83.6
Wages.....	761,711	530,473	32.3
Paid for contract work.....	.....	1,600	.....
Rent and taxes.....	57,982	31,737	82.7
Cost of materials.....	370,339	321,923	17.8
Amount received for work done.....	1,973,166	1,367,433	44.3

¹ A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 25).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 25.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	11
Persons engaged.....	171
Proprietors and firm members.....	11
Salaried employees.....	36
Wage earners (average number).....	124
Primary horsepower.....	108
Capital.....	\$179,643
Salaries and wages.....	159,074
Salaries.....	47,287
Wages.....	111,807
Paid for contract work.....	365
Rent and taxes.....	12,634
Cost of materials.....	63,702
Amount received for work done.....	201,587

Custom gristmills and custom sawmills (Tables 26 and 27).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Table 26, however, summarizes the statistics for such mills for 1919 and 1909, and Table 27 for 1919. The value of products for custom sawmills represents the amount

GENERAL

Table 28 gives the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and selected industries for the state and Salt Lake City, and for Ogden and Provo similar data for all industries combined for 1919, 1914, and 1909. Certain kindred industries are combined in some instances for comparison with the 1909 figures.

charged for the work performed and that for custom gristmills the selling value of the grain milled.

TABLE 26.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		
	1919	1909	Per cent of in- crease, 1909- 1910.
Number of establishments.....	21	19	.....
Persons engaged.....	36	37	.....
Proprietors and firm members.....	21	20	.....
Salaried employees.....	3	5	.....
Wage earners (average number).....	12	12	.....
Primary horsepower.....	721	709	1.7
Capital.....	\$195,822	\$180,730	8.4
Salaries and wages.....	15,904	10,500	51.4
Salaries.....	2,051	2,220	-7.6
Wages.....	13,853	8,286	67.2
Rent and taxes.....	2,156	(3)	.....
Cost of materials ^a	256,314	102,268	33.3
Value of products ^b	349,544	247,300	41.3

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

² Figures not available.

^a Includes estimate of all grain ground.

TABLE 27.—CUSTOM SAWMILLS: 1919.

	Number or amount.
Number of establishments.....	3
Persons engaged.....	5
Proprietors and firm members.....	4
Wage earners (average number).....	1
Primary horsepower.....	78
Capital.....	\$1,000
Wages.....	482
Rent and taxes.....	25
Cost of materials.....	142
Amount received for work done.....	1,114

TABLES.

Table 29 presents, for 1919, for the state and for Salt Lake City, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for cities of 10,000 to 50,000 inhabitants.

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TABLE 28.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of		INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of	
year.	estab-	ers	com-	age	com-	ma-	val-		year.	estab-	ers	com-	age	com-	ma-	val-	
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																	
All industries.....	1919	1,160	18,868	93,942	\$21,455	\$110,154	\$156,933	Gas, illuminating and heating.....	1919	4	172	638	\$196	\$295	\$790		
	1914	1,109	13,894	55,536	10,852	62,233	87,112		1914	4	208	720	141	279	617		
	1909	749	11,785	42,947	8,400	41,266	61,989		1909	3	167	291	108	188	366		
Bread and other bakery products.....	1919	97	485	485	436	2,135	3,357	Ice, manufactured.....	1919	17	105	2,152	124	89	396		
	1914	86	306	249	198	796	1,370		1914	10	38	1,505	41	43	228		
	1909	53	282	115	105	747	1,214		1909	4	20	474	16	29	93		
Brick and tile, and fire-clay products.....	1919	21	440	1,467	416	244	1,144	Knit goods.....	1919	10	198	82	104	787	1,156		
	1914	27	438	2,646	280	123	625		1914	11	183	47	68	283	528		
	1909	34	514	1,556	332	136	683		1909	11	174	80	53	292	419		
Butter.....	1919	17	116	397	126	2,357	2,600	Leather goods.....	1919	24	80	44	97	463	725		
	1914	23	118	347	61	930	1,075		1914	53	134	31	91	319	508		
	1909	26	98	390	51	921	1,103		1909	19	115	24	75	259	428		
Canning and preserving ¹	1919	37	1,099	3,151	657	2,735	4,555	Lumber and timber products ²	1919	113	366	4,184	466	481	1,338		
	1914	37	677	1,930	297	1,680	2,430		1914	70	748	3,837	582	662	1,504		
	1909	24	396	847	123	716	1,059		1909	104	431	2,922	306	435	977		
Cars and general shop construction and repairs by electric-railroad companies.....	1919	3	152	1,025	100	106	313	Marble and stone work.....	1919	18	50	269	75	139	340		
Cars and general shop construction and repairs by steam-railroad companies.....	1919	9	3,318	3,416	4,912	3,234	8,585		1914	23	349	1,148	354	125	859		
	1914	8	2,193	3,099	1,943	1,500	3,575		1909	25	121	399	106	91	270		
	1909	8	1,731	1,735	1,402	1,225	2,740	Mattresses and spring beds.....	1919	8	80	368	78	258	446		
Cement.....	1919	3	280	7,778	359	505	1,657	Mineral and soda waters.....	1919	23	63	107	60	253	484		
	1914	3	297	7,241	277	471	1,233		1914	25	68	68	34	122	220		
	1909	18	135	(2)	103	145	330		1909	16	52	(2)	34	58	187		
Confectionery and ice cream.....	1919	49	1,123	1,109	669	3,299	6,288	Printing and publishing ³	1919	156	1,218	1,000	1,138	1,416	4,581		
	1914	59	782	1,040	328	1,549	2,615		1914	166	872	1,246	741	880	2,780		
	1909	18	135	(2)	103	120	287		1909	122	907	1,357	685	723	2,405		
Copper, tin, and sheet-iron work.....	1919	48	149	162	178	542	1,017	Slaughtering and meat packing.....	1919	11	446	1,104	470	10,082	11,124		
	1914	56	123	45	94	153	885		1914	14	188	349	116	2,672	3,011		
	1909	18	135	(2)	103	145	330		1909	12	90	572	77	1,327	1,690		
Flour-mill and gristmill products.....	1919	77	249	5,030	269	6,552	7,569	Smelting, lead.....	1919	3	1,740	14,110	2,700	23,738	27,518		
	1914	70	198	3,519	144	2,037	3,156		1914	3	1,882	12,150	1,795	18,066	21,752		
	1909	60	184	3,312	181	2,511	3,181		1909	3	1,546	5,425	1,202	11,440	13,170		
Food preparations, not elsewhere specified.....	1919	16	44	851	65	1,167	1,273	Tobacco, cigars.....	1919	15	54	3	65	86	213		
	1914	10	44	102	23	110	172		1914	21	81	61	66	190			
	1909	5	17	80	13	20	66		1909	27	161	112	165	384			
Foundry and machine-shop products. ⁴	1919	162	951	3,210	1,163	1,402	3,672	All other industries.....	1919	219	5,881	41,732	6,452	47,689	85,740		
	1914	48	530	1,298	434	818	1,502		1914	213	3,302	16,166	2,591	27,894	36,308		
	1909	27	373	541	308	407	922		1909	145	4,162	22,697	2,899	19,312	30,131		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

SALT LAKE CITY.....	1919	415	6,362	15,790	\$7,153	317,410	\$33,357	Knit goods.....	1919	5	91	45	\$57	\$342	\$516	
All industries.....	1914	300	4,031	12,755	3,601	8,533	16,663		1914	4	79	36	32	105	202	
	1909	245	4,287	8,093	3,010	6,615	13,351		1909	4	70	(2)	24	140	165	
Bread and other bakery products.....	1919	33	402	320	343	1,587	2,471	Lumber and timber products ²	1919	10	135	1,344	208	294	666	
	1914	25	189	164	128	522	848		1914	11	240	880	145	305	553	
	1909	24	220	80	122	569	918		1909	8	138	375	117	160	376	
Butter.....	1919	5	69	116	79	1,684	1,905	Marble and stone work.....	1919	5	28	176	41	57	170	
	1914	3	31	53	15	452	505		1914	5	149	302	141	64	366	
	1909	3	9	32	6	305	452		1909	7	69	(2)	71	62	179	
Confectionery and ice cream.....	1919	31	812	821	484	2,625	4,917	Mineral and soda waters.....	1919	10	38	64	42	163	323	
	1914	25	554	682	224	1,069	1,767		1914	6	30	10	15	65	114	
	1909	11	104	10	85	105	258		1909	5	27	(2)	22	37	134	
Copper, tin, and sheet-iron work.....	1919	23	97	125	118	235	463	Printing and publishing ³	1919	80	970	761	916	1,169	3,734	
	1914	22	84	40	68	95	257		1914	64	640	1,033	590	752	2,270	
	1909	11	104	10	85	105	258		1909	49	746	1,207	561	616	1,983	
Foundry and machine-shop products. ⁷	1919	76	554	2,123	658	808	2,114	All other industries.....	1919	134	3,128	9,814	4,171	8,390	15,949	
	1914	24	393	1,046	326	633	1,128		1914	155	2,478	8,310	2,073	4,428	8,527	
	1909	19	301	404	257	316	761		1909	112	2,543	4,504	1,691	4,076	7,857	
Furniture, store and office fixtures.....	1919	3	49	81	43	61	129									
	1914	5	52	100	49	43	121									
	1909	3	62	81	54	131	278									

¹Includes "canning and preserving, fruits and vegetables" and "pickles, preserves and sauces."²Figures not available.³Includes "automobile repairing"; "iron and steel, welding"; and "structural ironwork, not made in steel works or rolling mills," in all years, and also "pumps, power, other than steam," in 1919.⁴Includes "saddlery and harness" and "trunks and valises."⁵Includes "lumber planing-mill products, not including planing mills connected with sawmills," in all years, and also "boxes, wooden packing," and "window and door screens" in 1914 and 1909.⁶Includes "bookbinding and blank-book making" in all years and also "engraving, steel and copper plate, including plate printing," and "lithographing" in 1914 and 1909.⁷Includes "automobile, repairing" and "iron and steel, welding," in all years, and also "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909.⁸Includes "bookbinding and blank-book making" and "engraving, steel and copper plate, including plate printing," in all years, and also "lithographing" in 1914 and 1909.

MANUFACTURES—UTAH.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Propri- tors and firm mem- bers.	Sal- ried offi- cers, super- in- tend- ents, and man- agers.	Clerks, etc.			Wage earners.		Total.	16 and over.		Under 16.	
					Male.	Female.	Aver- age num- ber.	Number, 15th day of—	Maximum month.		Male.	Female.	Male.	Female.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

								Oc	22,592	Ap	16,196	(*)	(*)	(*)	(*)	Dollars. 140,785,034	
1	All industries.....	1,160	23,107	1,089	1,146	1,432	572	18,808									
2	Artificial stone products.....	16	92	15	8	3	1	65	Au	127	Ja	19	350	369	-----	251,468	
3	Automobile bodies and parts.....	6	69	6	3	4	-----	56	Jy	71	Ja	46	30	39	2	90,355	
4	Automobile repairing.....	125	626	134	42	12	12	426	Au	508	Ja	304	462	468	2	605,938	
5	Awnings, tents, and sails.....	6	26	6	1	1	1	18	My	4	De	16	17	6	11	84,933	
6	Bookbinding and blank-book making.....	4	28	2	3	3	-----	20	No	22	Ja	17	20	9	2	32,947	
7	Bread and other bakery products.....	97	725	122	28	52	38	485	Au	515	Ja	445	528	343	171	1,134,865	
8	Brick and tile and fire-clay products.....	21	505	26	29	5	5	440	Au	594	Ja	261	474	468	1	852,366	
9	Butter.....	17	189	13	19	25	16	116	Jy	124	Oc	109	112	87	25	-----	
10	Canning and preserving, fruits and vegetables.....	31	1,172	4	81	16	20	1,051					2,761	1,079	1,001	22	4,448,963
11	Canned vegetables.....	26	1,034	4	65	15	10	934	Se	2,568	Fe	189	2,468	987	1,486	16	4,044,885
12	Canned fruits.....	5	138	-----	16	1	4	117	Jy	361	Mh	10	298	92	165	6	404,068
13	Carriages and wagons, including repairs.....	3	18	2	-----	-----	-----	16	De	20	Ja	13	20	-----	-----	50,396	
14	Cars and general shop construction and repairs by electric-railroad companies.....	3	159	-----	4	3	-----	152	Oc	160	No	142	151	148	3	554,838	
15	Cars and general shop construction and repairs by steam-railroad companies.....	9	3,473	-----	88	42	25	3,318	Da	3,511	My	2,847	3,502	3,488	14	-----	2,388,659
16	Cement.....	3	308	37	6	15	10	8	280	Se	352	Ja	172	288	281	7	3,488,664
17	Cheese.....	17	37	6	2	1	-----	28	Ja	31	De	24	30	30	-----	93,399	
18	Chemicals.....	8	504	-----	19	22	9	454	Mh	547	Ja	342	559	552	7	3,003,047	
19	Cleansing and polishing preparations.....	3	6	1	3	-----	-----	2	Ap	3	Ja	0	3	3	-----	64,347	
20	Clothing, men's.....	3	181	-----	7	19	5	150	Au	155	Ja	144	151	13	138	524,052	
21	Coffee, roasting and grinding.....	3	51	-----	5	9	5	32	Je	37	Fe	24	32	17	10	226,173	
22	Confectionery and ice cream.....	49	1,405	55	62	106	50	1,123	1,013	No	1,236	Au	869	1,220	373	731	3,451,524
23	Confectionery.....	32	1,229	32	40	98	37	-----	Ja	152	Ja	85	128	85	20	220,521	
24	Ice cream.....	17	176	23	13	8	22	110	No	165	Ja	125	179	168	11	523,658	
25	Copper, tin, and sheet-iron work.....	48	238	60	14	8	7	149	Fe	14	Oc	12	14	14	-----	14,430	
26	Dental goods.....	4	19	5	-----	1	-----	13	Fe	8	Oc	8	8	5	2	16,919	
27	Flavoring extracts.....	3	14	1	1	2	2	8	(6)	8	(6)	8	8	5	1	-----	
28	Flour-mill and gristmill products.....	77	426	86	60	10	12	249	No	284	Ja	228	208	250	11	3,328,912	
29	Food preparations, not elsewhere specified.....	16	85	18	11	7	5	44	Fe	51	Oc	33	50	35	14	543,381	
30	Foundry and machine-shop products.....	29	606	23	54	30	9	490					576	562	3	11	1,869,268
31	Foundries.....	4	29	9	3	2	-----	15	Ap	23	Se	2	22	22	-----	41,288	
32	Machine shops.....	21	276	14	25	12	6	219	De	264	Se	183	208	254	3	920,010	
33	Machine shop and foundry combined.....	4	301	-----	26	16	3	256	Ja	355	Se	75	286	-----	11	907,904	
34	Fur goods.....	3	10	3	1	-----	-----	6	De	9	Au	3	8	3	5	7,501	
35	Furniture.....	6	55	8	4	1	1	41	Ap	2	Ja	0	47	47	-----	48,605	
36	Wood, other than rattan and willow.....	3	5	4	-----	-----	-----	1	Ap	2	Ja	0	3	3	-----	7,300	
37	Store and office fixtures.....	3	50	4	4	1	1	40	Oc	43	Ja	37	44	44	-----	41,305	
38	Gas, illuminating and heating.....	4	236	-----	11	32	21	172	Je	201	Ap	141	177	177	-----	6,566,989	
39	Ice, manufactured.....	17	119	5	5	4	-----	105	Se	177	Ja	48	80	80	-----	1,060,741	
40	Iron and steel, welding.....	4	11	6	-----	-----	-----	5	Ap	6	Oc	4	5	5	-----	13,688	
41	Jewelry.....	5	22	4	2	2	-----	14	Oc	18	Fe	10	18	16	2	24,533	
42	Knit goods.....	10	295	1	26	49	21	198	Se	244	Ja	129	245	24	210	704,065	
43	Lime.....	12	63	10	6	2	-----	45	Ja	58	Ja	27	48	46	2	479,515	
44	Lumber and timber products.....	80	316	148	1	1	-----	166	Jy	260	Fe	95	489	476	9	306,822	
45	Lumber, planing-mill products, not including planing mills connected with sawmills.....	32	263	27	20	16	-----	200	De	252	Ja	163	252	252	-----	508,400	
46	Marble and stone work, except slate.....	18	89	22	6	8	3	50	My	69	Fe	38	57	56	1	225,849	
47	Mattresses and spring beds.....	8	97	3	8	5	1	80	De	91	Ja	67	91	63	28	255,417	
48	Mineral and soda waters.....	23	102	21	9	5	4	63					64	63	1	211,323	
49	Mineral and carbonated waters.....	20	95	10	9	5	4	58	Au	92	Ja	38	57	56	1	104,051	
50	All other.....	3	7	2	-----	-----	-----	5	Jy	9	Ja	2	7	7	-----	10,672	
51	Patent medicines and compounds.....	9	31	3	3	1	1	23	Je	25	Fe	22	25	15	10	63,000	
52	Photo-engraving.....	3	14	3	1	2	-----	8	Ap	9	Ja	5	8	8	-----	21,358	
53	Pickles, preserves, and sauces.....	6	61	5	4	3	1	48	Se	106	Ja	22	46	14	32	187,233	
54	Printing and publishing, book and job.....	51	544	50	36	65	20	378					403	311	70	1	780,166
55	Job printing.....	45	493	46	33	50	14	350	De	385	Jy	322	377	288	74	1	733,918
56	Book publishing and printing.....	3	39	-----	3	15	6	15	Se	18	Fe	10	18	15	2	31,009	
57	Linotype work and typesetting.....	3	12	4	-----	-----	-----	8	Ap	9	My	7	8	8	-----	21,239	
58	Printing and publishing, newspapers and periodicals.....	101	1,236	63	93	172	83	825					836	744	60	2	1,412,337
59	Printing and publishing.....	9	141	6	4	23	9	99	Oc	102	Je	94	99	99	99	-----	152,850
60	Printing, publishing, and job printing.....	66	924	54	54	105	33	678	De	688	My	671	687	609	64	12	926,013
61	Publishing, without printing.....	26	171	3	35	44	41	48	My	51	Mh	45	50	36	5	9	333,574

¹ Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—UTAH.

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.						Value of products.	Value added by manufacture.	POWER.						Electric horse-power generated in establishments reporting.	
Salaries and wages.			Rent and taxes.		For materials.			Primary horsepower.				Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. \$,010,721	Dollars. 2,669,764	Dollars. 21,454,997	Dollars. 357,022	Dollars. 424,987	Dollars. 2,883,265	Dollars. 103,106,399	Dollars. 7,047,950	Dollars. 150,933,071	Dollars. 46,778,722	93,942	37,556	9,440	968	3,553	42,420	17,446	1
13,470	5,297	91,619	190	1,052	1,270	52,849	2,602	196,515	141,084	154	43	10	101	40	101	2	
7,200	5,500	61,420	300	9,280	1,149	54,277	1,943	166,246	110,026	40	10	10	40	10	40	3	
86,120	20,817	524,001	300	61,807	8,090	583,691	25,761	1,537,194	947,812	596	10	37	549	1	549	4	
1,200	15,110	4,350	2,908	1,147	110,103	610	161,155	50,442	11	11	11	11	11	11	11	5	
6,200	17,690	2,184	391	25,881	1,026	67,059	40,152	9	9	9	9	9	9	9	9	6	
63,202	89,109	436,234	248	40,120	33,369	2,066,492	68,041	3,357,450	1,222,917	485	45	45	485	45	485	7	
75,254	10,949	415,588	422	2,673	17,614	110,743	133,501	1,144,021	899,777	1,407	139	50	1,422	215	1,422	8	
46,622	63,278	120,026	67	9,479	7,029	2,335,030	21,789	2,695,795	342,008	387	199	199	100	199	100	9	
175,933	28,848	628,304	1,905	2,570	104,101	2,602,330	51,092	4,389,629	1,735,207	3,122	745	35	2,342	5	2,342	10	
146,757	26,718	555,711	1,885	2,670	147,035	2,280,849	47,226	8,850,338	1,522,263	3,052	685	35	2,832	5	2,832	11	
29,176	8,130	72,653	20	300	548	16,466	321,481	4,766	539,191	70	23,727	28	10	10	10	12	
9,940	3,283	189,798	—	—	3,905	90,235	6,807	313,028	206,988	1,025	—	—	1,025	—	1,025	14	
238,271	98,752	4,911,623	—	—	39,045	3,008,378	230,561	8,584,993	5,351,056	3,415	1,588	—	1,827	1,424	1,827	15	
41,153	10,019	359,283	2,072	40	52,503	271,303	323,754	1,656,939	1,061,882	7,778	—	—	7,778	—	7,778	16	
2,100	440	29,028	335	570	651	190,419	5,295	235,184	39,480	65	55	55	9	9	9	17	
44,161	64,054	658,925	98,038	3,000	31,001	551,087	235,524	1,705,057	922,366	4,735	2,119	714	493	500	909	320	
3,350	2,191	—	378	138	22,048	155	86,902	14,104	1	1	1	1	1	1	1	19	
18,800	27,226	70,543	1,530	13,341	354,325	5,718	652,172	292,129	145	75	75	70	70	70	70	20	
14,025	18,841	19,698	1,174	2,400	2,186	354,992	2,998	435,477	127,487	46	46	46	46	46	46	21	
158,648	485,990	669,487	46,273	119,702	3,249,875	49,042	6,283,375	2,939,458	1,109	160	160	959	56	56	56	22	
132,835	407,608	570,159	31,470	114,270	2,060,282	34,468	5,322,912	2,628,162	927	150	150	777	56	56	56	23	
25,713	28,392	99,328	14,803	5,402	589,593	14,574	915,463	311,206	182	182	182	182	182	182	182	24	
55,831	11,679	178,244	12,525	20,446	637,598	4,766	1,017,374	475,010	162	162	162	162	162	162	162	25	
485	13,122	—	1,589	17	21,035	45	57,231	35,251	1	1	1	1	1	1	1	26	
1,800	5,165	3,910	970	243	25,380	23	44,056	18,647	—	—	—	—	—	—	—	27	
84,030	35,530	268,769	6,948	24,080	65,942	6,483,856	88,371	7,569,434	1,017,207	5,030	100	80	2,384	2,486	127	29	
10,714	12,310	55,066	270	1,379	9,642	1,160,602	1,722,581	105,182	851	50	80	80	80	80	80	29	
137,068	52,724	590,335	25	9,500	32,493	711,102	71,410	1,040,825	1,188,313	2,529	40	40	2,480	—	30	30	
7,020	3,072	20,652	2,475	1,050	49,154	5,632	97,450	49,723	71	40	40	71	—	71	31	31	
55,428	21,070	281,566	25	6,485	12,398	376,815	22,284	929,652	531,373	778	40	40	738	40	738	32	
71,620	28,582	288,117	600	17,045	292,638	43,564	913,414	577,217	1,690	—	—	—	1,680	—	1,680	33	
250	4,762	278	4,220	79	12,255	170	30,488	18,063	1	1	1	1	1	1	1	34	
6,420	965	45,047	200	2,013	751	65,784	1,044	142,213	75,355	96	12,010	7,135	15	96	15	35	
6,420	865	43,045	200	1,725	685	60,234	S19	129,303	68,250	81	—	—	—	—	—	37	
28,220	50,226	196,060	10,151	56,907	81,715	213,154	789,589	495,020	638	401	80	401	151	462	151	38	
7,000	3,400	124,269	240	664	12,134	23,751	65,584	395,855	306,520	2,152	1,480	153	57	57	40	40	
—	8,900	—	1,440	113	11,945	1,065	39,053	26,043	17	17	17	17	17	17	17	41	
2,080	1,526	20,313	3,138	2,715	98	30,059	768	82,136	51,311	13	13	13	13	13	13	42	
48,950	103,593	7,654	7,654	10,651	781,242	5,780	1,156,389	369,367	82	—	—	—	—	—	—	43	
8,100	1,684	62,941	3,502	2,097	2,066	24,691	18,800	139,642	96,651	166	20	20	40	40	40	44	
4,462	3,862	180,260	13,850	1,820	56,691	84	387,270	330,495	2,043	1,767	50	124	124	124	124	44	
27,487	16,906	288,147	797	1,749	8,420	409,623	14,447	950,303	526,233	2,141	10	4	79	2,048	2,048	45	
14,400	8,879	75,272	100	4,512	3,545	135,551	3,719	339,033	200,363	269	—	22	22	225	225	46	
18,800	12,536	78,414	480	420	7,561	252,939	4,844	445,710	187,927	368	—	253	253	56	47		
12,955	6,811	60,223	4,050	12,154	248,830	4,492	483,667	230,638	107	—	107	—	107	—	48		
12,955	6,811	55,610	4,665	11,992	242,328	4,333	471,502	224,841	104	—	104	—	104	—	49		
—	4,618	285	1,725	162	6,511	159	12,465	5,795	3	3	3	3	3	3	50		
3,680	2,100	13,214	450	1,795	884	882,894	1,031	116,413	22,498	87	—	—	—	—	—	51	
2,140	1,835	10,959	1,882	273	5,223	1,141	38,638	32,269	11	11	11	11	11	11	52		
3,100	4,500	28,884	9	3,880	5,880	5,846	105,109	87,533	29	10	10	10	10	10	53		
87,197	85,294	332,184	18,960	31,063	10,817	507,223	16,022	1,384,249	861,004	314	—	—	314	314	314	54	
80,332	72,555	364,186	10,651	29,016	10,428	490,262	14,442	1,299,745	795,041	302	—	—	302	302	55		
6,865	12,739	10,008	3,300	1,713	198	14,050	438	60,105	44,722	7	—	5	5	5	57		
198,543	247,877	738,286	200,662	50,992	25,251	837,681	28,068	3,129,560	2,263,913	746	—	19	19	19	19	58	
12,406	83,493	62,723	13,175	1,770	1,737	90,212	7,736	288,514	190,566	93	—	19	19	93	93	59	
102,712	129,829	603,504	5,313	39,991	18,380	689,153	17,013	2,087,619	1,401,453	418	—	429	429	429	429	60	
83,335	84,555	72,059	182,474	0,231	5,134	78,216	3,817	753,427	671,894	205	—	205	205	205	205	61	

⁸ No figures given for reasons stated under "Explanation of terms."⁴ Same number reported for one or more other months.⁶ Same number reported throughout the year.⁵ None reported for one or more other months.

MANUFACTURES—UTAH.

TABLE 29.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.	
		Total.	Propri- tors and firm mem- bers.	Sal- ried offi- cers, super- in- ten- dents, and manag- ers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.			
					Male.	Fe- male.	Aver- age num- ber.	Number, 15th day of—	Maximum month.	Minimum month.		Male.	Fe- male.	Male.	Fe- male.		

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																	Dollars.
1 Saddlery and harness.....	18	111	21	9	11	3	67	Jy	73	Fe	59	70	70	70	70	321,030	
2 Signs, electric and other.....	3	19	2	1	2	—	14	Ja ³	18	Co ³	10	11	11	—	—	15,148	
3 Slaughtering and meat packing.....	11	603	11	0	110	27	446	Ja	554	Se	399	431	392	392	392	3,070,407	
4 Smelting, lead.....	3	1,980	—	42	170	19	1,749	Ja	2,253	Je	1,514	1,698	1,697	1	1	18,152,467	
5 Soap.....	4	7	2	—	—	1	4	Ja ³	5	Ja ³	3	5	5	5	5	135,203	
6 Sugar, beet.....	16	2,530	—	155	117	44	2,214	No	5,024	Mh	775	4,724	4,249	475	475	39,922,847	
7 Tobacco, cigars.....	15	76	17	2	1	2	54	No	63	Fe ³	50	59	45	44	44	99,539	
8 Trunks and valises.....	6	28	9	1	4	1	13	Jy ³	15	Ja ³	10	15	15	15	15	53,361	
9 All other industries *.....	90	3,227	60	133	251	83	2,700	—	—	—	—	—	—	—	—	34,708,916	

* All other industries embrace—																			
Artificial implements.....	1	Brass, bronze, and copper products...	2	Cotton goods.....	2	Dairymen's and apiarists' supplies.....	1	Grease and tallow, not including lubricating greases.....	1	Hair work.....	1	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	1	Looking-glass and picture frames.....	1
Artificial flowers.....	2	Brooms, from broom corn.....	2	Druggists' preparations.....	1	Electrical machinery, apparatus, and supplies.....	2	Lubricating greases.....	1	Fruit work.....	1	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Artificial limbs.....	2	Clothing, women's.....	2	Engraving, steel and copper plate, including plate printing.....	3	Furniture, store and office fixtures.....	1	Flour-mill and gristmill products.....	3	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Baskets, and rattan and willow ware.....	1	Coal-tar products.....	1	Coffins, burial cases, and undertakers' goods.....	2	Clothing, men's.....	2	Gas, illuminating and heating.....	1	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Boots and shoes.....	1	Coins, burial cases, and undertakers' goods.....	2	Cordials and flavoring syrups.....	1	Clothing, men's, wrappers and house dresses.....	2	Grease and tallow, not including lubricating greases.....	1	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Boxes, cigar.....	1	Coke, not including gas-house coke.....	1	Druggists' preparations.....	1	Clothing, men's, wrappers and house dresses.....	2	Grease and tallow, not including lubricating greases.....	1	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Boxes, set-up paper boxes.....	2	Condensed milk.....	3	Engraving, steel and copper plate, including plate printing.....	3	Clothing, men's, wrappers and house dresses.....	2	Grease and tallow, not including lubricating greases.....	1	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1
Boxes, wooden packing, except cigar boxes.....	2	Explosives.....	1	Clothing, men's, wrappers and house dresses.....	2	Grease and tallow, not including lubricating greases.....	1	Food preparations, not elsewhere specified.....	3	Hand stamps.....	1	Iron and steel, steel works and rolling mills.....	1	Liquors, cereal beverages.....	2	Looking-glass and picture frames.....	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	SALT LAKE CITY.....	415	7,992	328	451	594	257	6,362	De	8,828	My	5,977	7,065	5,633	1,282	101	40	26,017,332
2	All industries.....	—	—	—	—	—	—	—	De	8,828	My	5,977	7,065	5,633	1,282	101	40	26,017,332
3	Artificial stone products.....	3	89	1	2	2	1	33	Au	81	Mh	12	36	36	—	—	—	109,852
4	Automobile repairing.....	51	299	48	28	5	10	210	Jy	251	Ja	142	227	224	2	1	4	289,507
5	Bread and other bakery products.....	33	514	32	23	40	17	402	Au	425	Ja	372	400	253	143	9	4	1,212,729
6	Butter.....	5	112	1	7	20	15	69	Ap	75	Fe	65	68	45	23	—	—	577,130
7	Cars and general shop construction and repairs by steam-railroad companies.....	3	1,634	—	49	23	16	1,546	De	1,722	My	1,104	1,722	1,708	14	—	—	1,482,482
8	Confectionery and ice cream.....	31	1,005	41	41	79	32	812	—	—	—	—	988	332	588	27	41	2,803,514
9	Confectionery.....	22	893	25	33	74	27	734	De	894	Au	601	894	272	574	10	38	2,788,256
10	Ice cream.....	9	112	16	8	5	5	78	Jy	116	Ja ³	58	94	60	14	17	3	105,258
11	Copper, tin, and sheet-iron work.....	23	142	30	8	6	1	97	No	109	Se	77	123	113	—	—	—	282,077
12	Dental goods.....	4	19	5	—	1	—	13	Fe ³	14	Ja ³	12	14	14	—	—	—	14,430
13	Flavoring extracts.....	3	14	1	1	2	2	8	(4)	8	(4)	8	8	5	2	1	—	16,010
14	Foundries.....	21	435	19	45	25	7	339	Ap ³	23	Se ³	2	405	391	3	11	—	1,552,814
15	All other.....	4	29	9	3	2	—	15	Ap ³	23	Se ³	2	22	22	—	—	41,288	
16	Fur goods.....	17	406	10	42	23	7	324	Ja	428	Se	99	383	369	3	11	—	1,611,026
17	Furniture, store and office fixtures.....	3	10	3	1	—	—	6	De	9	Au	3	8	8	5	—	7,501	
18	Iron and steel, welding.....	3	50	4	4	1	1	40	Oc ³	43	Ja ³	37	44	44	—	—	41,305	
19	Knit goods.....	4	11	6	—	—	—	5	Op ³	6	Oc ³	4	5	5	—	—	13,688	
20	Lumber, planing-mill products, not including planing mills connected with sawmills.....	10	155	15	41	8	91	Se	110	Ja	69	125	17	108	—	—	334,252	
21	Marble and stone work, except slate.....	.5	43	4	4	5	2	28	My	35	Fe	21	33	33	—	—	303,918	
22	Mineral and soda waters.....	10	57	6	7	4	4	36	Jy	51	Ja ³	27	38	38	—	—	129,681	
23	Patent medicines and compounds.....	6	5	1	2	—	—	2	Mh	3	Fe	1	5	5	—	—	125,474	
24	Printing and publishing, book and job printing, and printing.....	35	431	28	26	56	17	304	No	319	Mh	278	320	250	57	12	1	6,412
25	Job printing and book publishing, and printing.....	32	419	24	28	56	17	296	No	319	Mh	278	312	242	57	12	1	643,748
26	Linotype work and typesetting.....	3	12	4	—	—	8	Ap ³	9	My ³	7	8	8	—	—	—	622,600	
27	Printing and publishing, newspapers and periodicals.....	39	890	8	69	187	67	609	—	—	—	599	562	28	9	—	21,230	
28	Printing, publishing, and job printing.....	11	715	3	33	98	25	561	Ja	567	No ³	551	549	522	27	—	877,317	
29	All other.....	28	175	5	36	44	42	48	No	51	Mh	44	50	40	1	9	—	564,182
30	Tobacco, cigars.....	8	42	9	1	—	—	32	No ³	88	Fe	29	35	26	9	—	313,135	
31	All other industries*.....	110	1,918	78	107	133	57	1,545	—	—	—	1,676	1,352	300	21	3	33,888	
																	15,060,155	

*All other industries embrace—																			
Artificial flowers.....	2	Boxes, wooden packing, except cigar boxes.....	1	Brass, bronze, and copper products.....	2	Clothing, men's.....	2	Cleansing and polishing preparations.....	2	Electrical machinery, apparatus, and supplies.....	1	Clothing, women's, wrappers and house dresses.....	2	Engraving, steel and copper plate, including plate printing.....	3	Food preparations, not elsewhere specified.....	3	Flour-mill and gristmill products.....	3
Artificial limbs.....	2	Brass, bronze, and copper products.....	2	Clothing, women's, wrappers and house dresses.....	2	Clothing, men's, wrappers and house dresses.....	2	Food preparations, not elsewhere specified.....	3	Food preparations, not elsewhere specified.....	3	Clothing, men's, wrappers and house dresses.....	2	Engraving, steel and copper plate, including plate printing.....	3	Flour-mill and gristmill products.....	3	Food preparations, not elsewhere specified.....	3
Automobile bodies and parts.....	5	Briar, sewer pipe, and drain tile.....	1	Carriages and wagons.....	1	Coal-tar products.....	1	Coffee, roasting and grinding.....	2	Food preparations, not elsewhere specified.....	3	Coffins, burial cases, and undertakers' goods.....	2	Gas, illuminating and heating.....	1	Grease and tallow, not including lubricating greases.....	1	Grease and tallow, not including lubricating greases.....	1
Awnings, tents, and sails.....	5	Cars and general shop construction and repairs by electric-railroad companies.....	1	Carriages and wagons.....	1	Coal-tar products.....	1	Coffee, roasting and grinding.....	2	Food preparations, not elsewhere specified.....	3	Coffins, burial cases, and undertakers' goods.....	2	Gas, illuminating and heating.....	1	Grease and tallow, not including lubricating greases.....	1	Grease and tallow, not including lubricating greases.....	1
Bookbinding and blank-book making.....	3	Books and shoes.....	1	Clothing, men's, companies.....	1	Clothing, men's, manufacturers.....	1	Coffee, roasting and grinding.....	2	Food preparations, not elsewhere specified.....	3	Clothing, men's, manufacturers.....	1	Engraving, steel and copper plate, including plate printing.....	3	Food preparations, not elsewhere specified.....	3	Flour-mill and gristmill products.....	3
Boots and shoes.....	1	Books and shoes.....	1	Cement.....	1	Clothing, men's, manufacturers.....	1</												

MANUFACTURES—UTAH.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.								
Salaries and wages.			Rent and taxes.		For materials.		Value of products.	Value added by manufacture.	Primary horsepower.			Electric horse-power generated in establishments reporting.	Electric horse-power generated in establishments reporting.				
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹				
11,340	9,220	85,970	3,433	11,256	488,596	2,698	662,018	220,724	40	.....	.....	.....	.....	40	1	
2,175	4,018	15,363	900	507	31,051	203	46,437	15,183	6	.....	.....	.....	.....	5	2	
36,840	105,021	470,341	1,440	108,485	9,981,802	50,261	11,124,341	1,092,278	1,104	25	.....	.....	.....	1,079	15	3
225,160	294,320	2,700,111	162,679	21,604,498	2,133,231	27,158,050	8,780,321	14,110	8,225	2,150	.....	.....	.....	3,725	4,365	4
467,138	150,344	1,999,012	235	5,498	229	13,597	7,900	35	20	.....	.....	.....	.....	15	5	5
2,940	2,640	64,743	2,557	22,274	86,811	665	212,988	126,490	3	.....	.....	.....	.....	3	3	7
1,500	5,015	10,551	5,480	194	21,928	74	62,562	40,565	4	.....	.....	.....	.....	4	4	8
514,276	509,764	3,320,667	7,661	35,140	725,378	30,448,252	2,396,116	40,931,910	8,087,542	21,211	9,148	5,700	150	214	5,009	7,995	9

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.		
11,340	9,220	85,970	3,433	11,256	488,596	2,698	662,018	220,724	40	.....	.....	.....	.....	40	1	
2,175	4,018	15,363	900	507	31,051	203	46,437	15,183	6	.....	.....	.....	.....	5	2	
36,840	105,021	470,341	1,440	108,485	9,981,802	50,261	11,124,341	1,092,278	1,104	25	.....	.....	.....	15	3	
225,160	294,320	2,700,111	162,679	21,604,498	2,133,231	27,158,050	8,780,321	14,110	8,225	2,150	.....	.....	.....	3,725	4,365	4
467,138	150,344	1,999,012	235	5,498	229	13,597	7,900	35	20	.....	.....	.....	.....	15	5	5
2,940	2,640	64,743	2,557	22,274	86,811	665	212,988	126,490	3	.....	.....	.....	.....	3	3	7
1,500	5,015	10,551	5,480	194	21,928	74	62,562	40,565	4	.....	.....	.....	.....	4	4	8
514,276	509,764	3,320,667	7,661	35,140	725,378	30,448,252	2,396,116	40,931,910	8,087,542	21,211	9,148	5,700	150	214	5,009	7,995	9

Minerals and earths, ground or otherwise treated.	3	Pumps, power, other than steam.	1	Structural ironwork, not made in steel works or rolling mills.	3	Wooden goods, not elsewhere specified.	1
Models and patterns, not including paper patterns.	2	Salt.	6	Sulphuric, nitric, and mixed acids.	1	Woolen goods.	1
Optical goods.	4	Shirts.	2	Surgical appliances.	1	Wool pulling.	1
Paints.	2	Smelting, copper.	1	Tinware, not elsewhere specified.	1	Umbrellas and canes.	1
Petroleum, refining.	1	Smelting, zinc.	1	Upholstering materials, curled hair.	1	Vinegar and cider.	2
Pottery, earthen and stone ware.	1	Soda-water apparatus.	1	Wall plaster and composition flooring.	3	.....	.....
Printing materials.	1	Steam packing.	1	.....	.....	.....	.....
Stencils and brands.	1	.....	1	.....	1	.....	1

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1,058,264	1,167,437	7,153,436	207,659	287,652	655,146	10,518,354	900,755	33,350,911	15,037,802	15,700	2,401	239	10	40	13,106	70	1
6,390	5,297	40,088	.....	1,260	762	22,890	1,624	90,286	65,782	50	43	5	11	.....	.....	2
34,075	10,980	241,560	300	37,708	2,681	178,009	11,059	627,277	428,300	193	.....	2	191	.....	.....	3
50,449	69,882	342,728	248	29,416	20,761	1,541,426	45,351	2,471,099	884,322	326	.....	.....	326	.....	.....	4
24,445	55,746	75,730	7,904	4,384	1,670,685	13,075	1,904,070	220,610	116	.....	.....	.....	116	.....	.....	5
127,383	53,002	2,430,611	.....	20,704	1,519,747	75,129	4,304,278	2,709,400	2,280	700	.....	.....	1,550	.....	.....	6
101,891	367,481	483,622	.....	33,455	88,924	2,587,631	87,715	4,917,203	2,201,857	821	.....	.....	821	.....	.....	7
88,528	351,871	420,955	20,214	85,860	2,158,154	27,193	4,270,903	2,094,550	689	.....	.....	.....	689	.....	.....	8
13,363	15,010	62,607	7,241	3,055	429,477	10,522	637,300	107,301	132	.....	.....	.....	132	.....	.....	9
26,391	5,587	115,621	8,239	1,874	231,825	2,856	463,239	228,558	125	.....	.....	.....	125	.....	.....	10
495	13,122	1,589	17	21,935	45	57,231	35,251	1	.....	.....	.....	1	.....	.....	1	11
1,800	5,165	3,010	970	248	25,386	28	44,056	18,647	.....	.....	.....	.....	1,913	.....	.....	12
103,343	44,022	407,965	25	0,080	23,812	546,648	55,824	1,448,044	844,572	1,913	.....	.....	1,913	.....	.....	13
7,020	3,072	20,052	2,475	1,050	42,154	5,582	97,459	49,723	71	.....	.....	.....	71	.....	.....	14
99,328	40,950	387,813	25	0,005	22,762	504,494	51,242	1,350,585	794,849	1,842	.....	.....	1,842	.....	.....	15
250	4,762	278	4,220	79	12,255	170	30,488	18,063	1	.....	.....	.....	1	.....	.....	16
6,420	865	43,045	200	1,725	685	60,234	810	120,303	68,250	81	.....	.....	81	.....	.....	17
8,900	5,445	1,440	113	11,945	1,065	39,053	26,043	20,043	17	.....	.....	.....	17	.....	.....	18
21,216	16,904	56,934	5,445	7,175	339,548	2,566	518,674	178,575	45	.....	.....	.....	45	.....	.....	19
16,709	14,006	203,399	797	1,309	6,177	284,741	9,008	666,189	372,440	1,344	.....	.....	1,344	.....	.....	20
11,400	4,860	40,618	.....	3,632	2,047	58,903	2,731	160,048	113,014	176	.....	3	173	.....	.....	21
10,485	6,286	41,914	3,225	11,146	160,246	2,470	323,476	160,700	64	.....	.....	64	.....	.....	22	
660	2,064	450	1,195	164	8,417	82	19,666	11,167	5	.....	.....	5	.....	.....	23	
62,025	60,620	301,048	13,760	26,554	9,533	420,551	12,920	1,125,312	692,341	242	.....	.....	242	.....	.....	24
62,025	60,620	289,056	13,760	20,320	9,342	418,540	11,773	1,101,413	671,100	237	.....	.....	237	.....	.....	25
158,768	203,715	11,992	172,541	37,851	18,906	651,455	12,055	2,450,621	1,787,131	490	.....	5	5	.....	.....	26
73,775	117,705	496,786	300	28,805	14,117	577,702	8,575	1,713,634	1,127,297	282	.....	.....	282	.....	.....	28
84,991	86,010	74,321	172,241	9,488	4,780	73,673	3,480	736,987	659,884	208	.....	.....	208	.....	.....	29
1,440	33,464	1,800	9,152	33,868	292	90,618	56,520	2,721,290	4,721,290	7,495	1,058	239	40	5,558	70	31	
289,781	241,334	1,687,716	10,060	69,615	407,142	6,186,036	612,346	11,408,072	4,721,290	7,495	1,058	239	40	5,558	70	31	

Hair work.	1	Models and patterns, not including paper patterns.	2	Saddlery and harness.	5	Structural ironwork, not made in steel works or rolling mills.	2
Ice, manufactured.	3	Optical goods.	2	Scales and balances.	2	Surgeal appliances.	1
Jewelry.	4	Paints.	2	Shifts.	1	Trunks and valises.	5
Lime.	1	Petroleum, refining.	1	Signs, other than electric.	2	Umbrellas and canes.	1
Liquors, cereal beverages.	1	Photo-engraving.	1	Slaughtering and meat packing.	2	Upolstering materials, curled hair.	1
Locking-glass and picture frames.	1	Mattresses and spring beds.	3	Soap.	3	Vinegar.	1
Mattresses and spring beds.	3	Minerals and earths, ground or otherwise treated.	1	Pickles and sausages.	2	Woolen goods.	1
Minerals and earths, ground or otherwise treated.	1	Pumps, power, other than steam.	1	Printing materials.	1	Wool pulling.	1
				Stencils and brands.	1	Wooden goods, not elsewhere specified.	1

³ Same number reported for one or more other months.

⁴ Same number reported throughout the year.

MINES AND QUARRIES—UTAH.

EXPLANATION OF TERMS.

Scope of census and period covered.—The census of mines, quarries, and petroleum or natural-gas wells does not cover enterprises which were idle; that is, in which neither productive nor development work was done during the entire year, or the products of which were valued at less than \$500; or in the case of bituminous coal mining, producing less than 1,000 tons, or, if not productive, in which development work amounting to less than \$5,000 was done. The returns relate to the calendar year 1919. When use is made of the statistics relating to character of ownership, size of enterprises, and similar subjects, it is imperative that due attention be given their limitations, particularly in connection with any attempt to show average wages, cost of production, or profits.

The enterprise.—The term "enterprise" represents one or more mines and quarries, wells or groups of wells, or natural-gas gasoline plants, all within the same state, operated under a common ownership or unified control, or for which only one set of books of account was kept, and for which a single report was secured. It may cover plants at several localities within the same state. If plants under unified control were not all located within the same state, separate reports were secured in order that statistics for the several enterprises thus defined might be included in statistics for the states in which they were located. The enterprise is further defined as being limited to a single industry.

Number of mines, quarries, wells, and plants.—Under these designations is given the number of mines, quarries, wells, and gasoline plants shown by the returns. As a rule each group of workings at a given locality in which operations were conducted as a unit or were unified by common management or joint handling of some part of the mining process, has been considered as a single mine or quarry. Many individual openings, therefore, are not counted as individual mines. The total number reported comprises those in operation or in the course of development during the year 1919. For petroleum and natural-gas wells the individual wells were counted and the total number productive December 31, 1919, is reported. The number of natural-gas gasoline plants is the total number reported in operation during the year.

Classification by industries.—The enterprises reported have been grouped by industries according to the kind of products.

Selected industries.—The detailed table gives the principal facts separately for the leading industries of the state.

Influence of increased prices.—In comparing figures for cost of supplies and materials and value of products with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years.

Persons engaged in the industry.—The number of persons engaged in each industry, by occupation, sex, and, in the case of wage earners, also by age, was reported for a single representative day. In addition to the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively.

Pervailing hours of labor.—This inquiry called merely for the prevailing practice followed in each enterprise. Occasional variations in hours from one part of the year to another were disregarded, and also where a few wage earners might have hours differing from the majority. All the wage earners of each enterprise are therefore counted in the class within which the enterprise falls.

Capital.—The instructions on the schedule relating to capital were as follows: "The answer should show the total amount of capital, owned and borrowed, invested by the operator in the enterprise on the last day of the business year reported. Do not include securities and loans representing investments in other enterprises." The reports received in respect to capital, however, have in so many cases been defective that the data compiled only indicate very general conditions.

Expenses.—The expenses reported in the census of 1919 include salaries and wages; the cost of supplies, materials, and fuels, including the freight on these; cost of power purchased; the cost of contract work; royalties and rents paid; and taxes paid or assessed. The census of 1909 reported in addition to the items of expenses covered by the present census all other items of expense incident to that year's business, except interest on indebtedness, dividends, and allowances for depreciation.

Supplies and materials, fuel, and power.—Statistics as to supplies and materials, fuel, and power, relate to the cost of these used during the year which may be more or less than the amount purchased during the year. The term "supplies and materials" covers mine, mill, quarry, and well supplies, and mineral purchased for treatment, resale, or distribution.

Royalties and rents.—The amounts given under this head represent the payment to fee holders or the value of share of product credited to fee holders for mineral output from leased land, and also rents paid for plants, equipment, and privileges or easements.

Taxes.—The taxes include Federal capital stock; corporation income, and excess profits tax; and also state, county, and local taxes. The data compiled in respect to Federal taxes are very defective as many mining corporations are engaged in other business and have sources of income other than from mining and do not pay taxes on mining separately.

Expenditures for development work.—In the statistics for producing enterprises that part of the expenses for salaries, wages, contract work, supplies and materials, fuel, and power credited to development work is shown as expenditures for development work. For nonproducing enterprises the total of these expenses is given as expenditure for development work.

Quantity of products.—In so far as the statistics on quantities of mineral products in 1919 are available for the states, they will be found in the reports of the United States Geological Survey.

Value of products.—The amounts given under this heading represent the selling value at point of production or f. o. b. at point of shipment, or such other value as may represent the net value or amount received for the 1919 product under the terms by which it was disposed of, and also includes the value at point of production of products used by the operating company.

Cost of mining and profits.—The data do not show entire cost of mining and well operations, and can not be used for the calculation of profits. No account was taken of depreciation or interest; rent of offices and buildings other than those for mines, quarries, and wells; insurance, selling, and other sundry expenses.

Lands controlled.—The inquiry on land tenure was confined to land pertaining to the operations covered by the report. In many of these, however, land held in reserve for future development and for other purposes not pertaining to mining was included and also a large number of more or less unsatisfactory estimates.

Power used.—The figures on power represent the rated capacity of the engines, motors, etc., and not the amount in actual daily use.

Fuel.—Statistics of fuel are shown only for anthracite and bituminous coal, coke, wood, oil, and gas. As only the principal varieties of fuel are shown, no comparison can be made with the total cost.

STATISTICS FOR THE STATE.

Utah, which ranks tenth among the states in size (land area 82,184 square miles) and fortieth in population (449,396 in 1920), ranked eighteenth in value of mineral products in 1919. The state ranked twenty-first in the total number of persons engaged in the mining industries and in the average number of wage earners employed.

The gross amount received for products by operators of all mines and quarries in Utah in 1919 was \$41,510,802, an increase of 88 per cent as compared with the corresponding amount, \$22,083,282, reported at the census of 1909. After eliminating duplication for 1919 of \$297,961, the value of gold and silver ores marketed by some producers and again reported after further treatment and resale by others, and, for 1909 a similar duplication in the value of lead and zinc ores of \$106,910, the net value of products for 1919 is \$41,212,841 and for 1909, \$21,976,372. The figures for value of products for 1919 include receipts for mineral by-products, custom milling, power sold, and for work or miscellaneous services for other enterprises, which amounted to \$74,905.

The increases in value of products and in salaries, wages, cost of supplies and materials and fuel and power, as shown in Table 1, should not be used as a measure of the growth or progress of mining in Utah during the census period 1909 to 1919, for the reason that they are largely due to general price increases in recent years. Nor, on the other hand, are the decreases in number of enterprises and number of individual mines and quarries operated an indication of decline in mining, as these decreases are due, at least in part, to the temporarily adverse industrial conditions in 1919. The fact that, in the face of these conditions, there was only a slight falling off in the number of wage earners employed is a better indication of the sustained volume of operations in the industry in 1919. The large increase in taxes is due to the impost of Federal income taxes since 1909.

The mining industries reported for 1919, classified by principal products and listed in order of value of products, were copper, bituminous coal, gold and silver (lode), lead and zinc, asphalt, limestone, iron ore, gypsum, ores of rare metals (uranium and vanadium), clay, sandstone, phosphate rock, fluorspar, mineral pigments, and slate. The industries for which statistics can be shown without disclosure of individual operations are ranked by value of products in Table 2.

The leading mining activities in Utah in 1919 were the mining and milling of gold, silver, copper, lead, and zinc ores. Sixty-one per cent of all mining enterprises were engaged in metalliferous lode mining, and these enterprises employed 59.7 per cent of the total number of wage earners and reported a product valued

at \$27,824,207, which was 67 per cent of the total value of mineral products of the state. The value of the products as here given is not the value of the metals produced or recoverable; it is the sales value of the mine and mill products—ores, concentrates, bullion, and mine-water precipitates—or the estimated equivalent of sales value when these were not sold by the producers but were smelted and refined by them. The statistics on smelting and refining operations and the value of the recovered metals, the final products, will be found in the reports of the census of manufactures. On the basis of combined products of gold, silver, copper, lead, and zinc lode mines Utah ranked fourth among the states. It was also fourth in rank in the value of output of mines of which the principal product was gold and silver, fourth in value of output of mines producing principally copper, and ninth in value of output of mines producing principally lead and zinc. Production of these metals was chiefly from the Big Cottonwood and Little Cottonwood districts and the Bingham district in Salt Lake County. Important production was obtained also from Juab, Summit, Utah, and Tooele Counties.

Coal mining was second in importance in Utah in 1919, with production valued at \$12,632,035, representing 30.4 per cent of the total value of mineral products of the state, and employing 37 per cent of the total number of wage earners. The principal producing county was Carbon in central Utah. There was some production also from Emery, Grand, Iron, Summit, and Uintah Counties.

The production of asphaltic materials was third in importance among the mining industries in Utah, which ranked first among the states in the output of such materials. Statistics for the industry in this state can not be shown, however, without disclosure of individual operations.

Operations for development on mining properties, not productive in 1919, were reported by 48 enterprises—1, an iron ore mine and the others, gold, silver, copper, lead or zinc mines. These enterprises, reporting a combined capital of \$8,521,338, employed 394 wage earners and expended \$1,695,273, which figures represent 3.8 per cent of the aggregate number of wage earners and 5 per cent of the aggregate expenditures reported for all mining operations in the state in 1919.

The character of organizations conducting mining enterprises in Utah in 1919 is shown in Table 3, which clearly brings out the extent of corporate control. Of all the enterprises, 81.6 per cent were operated by corporations, which employed 99.1 per cent of the total number of wage earners and reported 99.4 per cent of the total value of products. Table 3 also

shows that on a basis of average value of products per enterprise for all industries combined and for the metal-mining and coal-mining industries separately corporations conducted the largest enterprises.

The relatively large number of small enterprises, as measured by the average number of wage earners employed, is shown in Table 4. Of the total number of mining enterprises in Utah, 85.1 per cent were in classes having no wage earners or fewer than 101, and the wage earners employed were only 20.2 per cent of the total number of wage earners. On the other hand, only 14.9 per cent of the total number of enterprises had more than 100 wage earners each, and these enterprises employed 79.8 per cent of the total number of wage earners. The larger enterprises were in the metal-mining and coal-mining industries.

Table 5 shows that in 42 per cent of the enterprises employing wage earners and for 31.2 per cent of the total number of wage earners the prevailing hours of labor were 44 to 53 and that in 50.7 per cent of the enterprises and for 67.1 per cent of the total number of wage earners the hours of labor were 54 to 62 per week. The 8-hour day was the rule with a 7-day week prevailing in the metal-mining industry and a 6-day week in the coal-mining industry.

The statistics for wage earners presented in Table 6, showing the changes in the number employed month by month, reflect conditions prevailing in the industries during the census year.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without the disclosure of individual operations.

TABLE 1.—COMPARATIVE SUMMARY, PRODUCING ENTERPRISES: 1919 AND 1909.

	MINING INDUSTRIES.		Percent of increase. ¹		MINING INDUSTRIES.		Percent of increase. ¹
	1919	1909			1919	1909	
Number of enterprises.....	141	188	-25.0				
Number of mines and quarries.....	154	235	-33.3				
Persons engaged.....							
Proprietors and firm members, total.....	10,758	10,820	-0.6				
Number performing manual labor in or about the mines and quarries.....	53	102	-48.0				
Salaried employees.....	16	30	36.4				
Wage earners (average number).....	858	629	36.4				
Wage earners (average number).....	9,847	10,089	-2.4				
Power used (horsepower).....	86,131	47,226	82.4				
Value of products.....				\$178,521,276	\$81,000,043	120.4	
Capital.....							
Principal expenses:							
Salaries.....				1,916,913	1,197,527	60.1	
Wages.....				17,196,652	8,986,851	91.4	
Contract work.....				491,178	265,088	85.3	
Supplies and materials ²				8,043,463	4,027,324	99.7	
Fuel and power.....				2,019,110	1,074,119	88.0	
Royalties and rents.....				150,955	71,911	109.9	
Taxes.....				2,005,154	211,920	874.5	
Value of products.....				41,510,802	22,089,282	88.0	

¹ A minus sign (—) denotes decrease. Percentages are omitted where base is less than 100.

² Includes cost of ore purchased as material.

TABLE 2.—PRINCIPAL INDUSTRIES, PRODUCING ENTERPRISES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.		INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.			Average number.	Per cent distribution.	Amount.	Per cent distribution.
All industries.....	141	9,847	100.0	\$41,510,802	100.0	Coal, bituminous.....	27	3,647	37.0	\$12,632,035	30.4
Gold, silver, copper, lead, and zinc, lode mines.....	86	5,874	59.7	27,824,207	67.0	Limestone.....	7	148	1.5	291,234	0.7
Rare metals.....						Rare metals.....	5	17	0.2	37,958	0.1
All other industries ¹						All other industries ¹	16	161	1.6	726,368	1.7

¹ Uranium and vanadium.

² Includes enterprises in industries as follows: Asphalt, 3; clay, 3; fluorspar, 1; gypsum, 2; iron ore, 2; mineral pigments, 1; phosphate rock, 1; sandstone, 2; slate, 1.

TABLE 3.—CHARACTER OF ORGANIZATION, FOR SELECTED INDUSTRIES, PRODUCING ENTERPRISES: 1919.

INDUSTRY AND CHARACTER OF ORGANIZATION.	Number of enterprises.	Number of wage earners.	VALUE OF PRODUCTS.		PER CENT DISTRIBUTION.		
			Total.	Per enterprise.	Enterprises.	Wage earners.	Value of products.
ALL INDUSTRIES.....	141	9,847	\$41,510,802	\$294,403	100.0	100.0	100.0
Corporation.....	115	9,759	41,252,248	358,715	81.8	99.1	99.4
Individual.....	12	45	139,168	11,597	8.5	0.5	0.3
Firm.....	14	43	119,391	8,528	0.9	0.4	0.3
GOLD, SILVER, COPPER, LEAD, AND ZINC, LODE MINES.....	86	5,874	27,824,207	323,537	100.0	100.0	100.0
Corporation.....	77	5,849	27,719,741	359,997	89.5	99.6	99.6
Individual.....	4	10	55,704	13,940	4.7	0.2	0.2
Firm.....	5	15	48,672	9,734	5.8	0.3	0.2
COAL, BITUMINOUS.....	27	3,647	12,632,035	467,853	100.0	100.0	100.0
Corporation.....	18	3,619	12,554,081	697,449	66.7	99.2	99.4
Individual.....	3	9	19,545	6,515	11.1	0.2	0.2
Firm.....	6	19	58,409	9,735	22.2	0.5	0.5

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TABLE 4.—SIZE OF PRODUCING ENTERPRISES, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.		INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.	
	Number.	Per cent distribution.	Number.	Per cent distribution.		Number.	Per cent distribution.	Number.	Per cent distribution.
ALL INDUSTRIES.....	141	100.0	9,847	100.0	COAL, BITUMINOUS.....	27	100.0	3,647	100.0
No wage earners.....	3	2.1			1 to 5.....	9	33.3	19	0.5
1 to 5.....	51	36.2	119	1.2	6 to 20.....	2	7.4	13	0.4
6 to 20.....	33	23.4	372	3.8	21 to 50.....	3	11.1	91	2.5
21 to 50.....	23	16.3	775	7.9	51 to 100.....	3	11.1	192	5.3
51 to 100.....	10	7.1	745	7.3	101 to 500.....	8	29.6	1,330	36.5
101 to 500.....	18	12.8	3,645	37.0	501 to 1,000.....	1	3.7	832	22.8
501 to 1,000.....	1	0.7	832	8.4	Over 1,000.....	1	3.7	1,170	32.1
Over 1,000.....	2	1.4	3,389	34.4					
GOLD, SILVER, COPPER, LEAD, AND ZINC, LODE MINES.....	86	100.0	5,874	100.0	LIMESTONE.....	7	100.0	148	100.0
No wage earners.....	2	2.3			1 to 5.....	2	28.6	8	4.1
1 to 5.....	28	32.6	74	1.3	6 to 20.....	1	14.3	20	13.5
6 to 20.....	25	29.1	273	4.6	21 to 50.....	4	57.1	122	82.4
21 to 50.....	13	15.1	470	8.0	RARE METALS.....	5	100.0	17	100.0
51 to 100.....	7	8.1	523	8.9	1 to 5.....	4	80.0	0	35.3
101 to 500.....	10	11.6	2,315	39.4	6 to 20.....	1	20.0	11	64.7
Over 1,000.....	1	1.2	2,219	37.8					

TABLE 5.—NUMBER OF PRODUCING ENTERPRISES AND AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—									
	Enter- prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.		63 to 71.	
			Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.
All industries.....	1138	9,847	1	7	5	69	58	3,070	70	6,612	4	89
Gold, silver, copper, lead, and zinc, lode mines.....	84	5,874			1	4	27	835	55	5,016	1	19
Coal, bituminous.....	27	3,647	1	7	4	65	16	2,143	5	1,430	1	2
Limestone.....	7	148					2	29	3	51	2	68
Rare metals.....	5	17					3	5	2	12		
All other industries.....	15	101					10	58	5	103		

¹ Exclusive of 3 enterprises employing no wage earners in industries as follows: Gold, silver, copper, lead, and zinc, lode mines 2; slate, 1.

TABLE 6.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	10,241	12,246	10,886	9,691	9,335	8,477	8,420	9,548	10,510	10,797	10,775	11,048	11,159	68.8
Producing enterprises.....	9,847	11,982	10,636	9,233	8,937	8,098	8,072	9,184	10,060	10,319	10,315	10,577	10,712	67.5
Gold, silver, copper, lead, and zinc, lode mines.....	5,874	7,925	6,663	5,549	5,371	4,604	4,626	5,385	5,995	6,171	6,147	6,134	6,069	57.1
Coal, bituminous.....	3,647	3,728	3,684	3,417	3,266	3,204	3,255	3,531	3,731	3,791	3,841	4,056	4,260	75.2
Limestone.....	148	155	142	164	150	146	144	158	152	166	172	149	129	67.5
Rare metals.....	17					2			19	27	42	57	56	1.8
All other industries.....	161	150	147	153	144	142	148	160	172	164	178	181	198	71.7
Nonproducing enterprises.....	394	284	260	408	398	379	348	364	441	478	460	471	447	62.3

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TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919.

	Aggregate.	PRODUCING ENTERPRISES.						Non-producing enterprises. ⁴
		Total.	Gold, silver, copper, lead, and zinc, lode mines. ¹	Coal, bituminous	Lime- stone.	Rare metals. ²	All other. ³	
			86	27 34	7 8	5	16 19	48 48
Number of enterprises.....	189	141						
Number of mines and quarries.....	202	154	88					
Capital.....	\$187,042,614	\$178,521,276	\$141,525,483	\$32,831,106	\$104,530	\$46,500	\$3,924,052	\$8,521,338
Principal expenses:								
Salaries and wages—								
Officers.....	\$385,571	\$369,099	\$233,850	\$117,994	\$805		\$16,650	\$16,472
Superintendents and managers.....	\$694,246	\$644,232	\$458,005	\$140,578	\$14,742	\$3,371	\$27,538	\$50,014
Technical employees.....	\$208,718	\$206,020	\$216,368	\$50,282				\$2,098
Clerks, etc.	\$641,708	\$636,962	\$357,634	\$282,071	\$1,031	\$700	\$14,526	\$4,744
Wage earners.....	\$17,707,681	\$17,196,052	\$9,176,378	\$7,593,767	\$187,171	\$18,075	\$216,261	\$571,029
Supplies and materials.....	\$8,608,844	\$7,745,492	\$5,150,733	\$1,664,955	\$41,189	\$12,728	\$175,937	\$863,352
Cost of ore purchased as material.....	\$297,961	\$297,961	\$207,961					
Fuel.....	\$384,969	\$834,480	\$843,734	\$160,948	\$5,488	\$295	\$15,015	\$20,499
Powder.....	\$1,253,253	\$1,184,030	\$1,072,015	\$99,006	\$7,227		\$5,392	\$18,623
Royalties and rents.....	\$108,031	\$150,955	\$95,633	\$39,273	\$2,000	\$665	\$13,484	\$17,076
Taxes.....	\$2,075,036	\$2,065,154	\$1,563,738	\$452,159	\$1,216	\$10	\$13,081	\$9,882
Contract work.....	\$617,596	\$491,178	\$480,378				\$4,300	\$126,418
Expenditures for development (included in the above items).....	\$1,863,918	\$3,168,643	\$2,894,494	\$224,566	\$3,000	\$7,142	\$39,441	\$1,695,273
Value of products.....	\$11,510,802	\$41,510,802	\$27,824,207	\$12,632,035	\$201,284	\$37,053	\$725,308	.....
Persons engaged in industry.....	11,246	10,758	6,448	3,926	159	27	193	488
Proprietors and firm members (total).....	76	53	18	26		5	9	23
Number performing manual labor.....	16	16	5	9		1	1	.....
Salaried officers.....	117	96	57	35				21
Superintendents and managers.....	230	200	128	46	9	4	13	30
Technical employees.....	138	138	110	26				2
Clerks, etc.	444	426	266	146				18
Wage earners (average number).....	10,241	9,847	5,874	3,647	148	17	161	394
Wage earners, by occupation (Dec. 15):								
Above ground (total).....	4,605	4,536	2,885	1,363	159	35	94	129
Below ground (total).....	6,722	6,370	8,841	2,902		22	105	352
Foremen, shift bosses, etc.—								
Above ground.....	204	190	145	26	7	3	9	14
Below ground.....	176	159	123	32		1	3	17
Engineers, holstmen, electricians, mechanics, etc.—								
Above ground.....	1,163	1,124	817	289	10		8	34
Below ground.....	528	494	286	208				34
Miners, quarrymen, and drillmen, including their helpers—								
Above ground.....	345	327	245	5	53	10	14	18
Below ground.....	2,051	2,510	1,117	1,343		12	38	111
Timbermen, trackmen, and men engaged in hauling, tramping, etc.—								
Above ground.....	955	943	415	511	7	5	5	12
Below ground.....	1,578	1,516	620	859		3	34	62
Muckers, loaders, laborers, and others not classified—								
Above ground.....	1,065	1,014	345	532	82	17	38	51
Below ground.....	1,789	1,691	1,195	460		6	30	98
Wage earners employed in mills and beneficiating plants—								
Above ground.....	938	938	918				20	.....
Number of females included in wage earners reported above—								
Above ground.....	20	12	2	8		2		8
Mineral land operated.....acres.	341,400	324,582	284,360	46,891	1,931	1,774	9,026	16,878
Land controlled, total.....acres.	355,500	339,902	265,546	56,665	1,931	1,774	11,046	18,508
Mineral land owned.....	334,335	319,143	261,283	44,532	1,809	603	10,916	15,212
Mineral land leased.....	8,659	7,028	3,081	2,519	122	1,171	130	1,636
Timber and other lands owned and leased.....	15,516	13,796	4,182	9,614				1,720
Power used: Aggregate horsepower.....	89,029	86,131	61,085	24,020	300		667	3,498
Prime movers (horsepower, total).....	31,870	31,083	20,601	9,840	75		567	795
Steam engines—								
Number.....	279	275	229	40	3		3	4
Horsepower.....	26,925	26,780	18,735	7,755	60		180	195
Steam turbines—								
Number.....	2,085	4	2,085	4				
Horsepower.....		4		2,085				
Internal-combustion engines—								
Number.....	40	22	18		1		3	18
Horsepower.....	1,082	471	403		15		53	581
Water wheels and turbines—								
Number.....	9	8	5				3	1
Horsepower.....	1,837	1,797	1,463	40,484	14,180	285	334	40
Purchased power (horsepower, total).....	57,750	55,048					90	2,702
Electric motors operated by purchased current—								
Number.....	2,416	2,300	2,018	276	3		3	116
Horsepower.....	57,825	54,783	40,169	14,189	285		90	2,592
Other equipment operated by purchased power—								
Horsepower.....	425	315	315					110
Electric motors run by current generated by enterprise using:								
Number.....	188	166	23	143				29
Horsepower.....	8,875	8,645	881	7,764				230
Fuel used:								
Coal, bituminous.....tons, 2,000 pounds.	6,198,824	5,197,397	111,853	82,907	760	2	1,875	1,427
Coke.....tons, 2,000 pounds.	1,123	1,123	1,123					295
Wood.....cords.	384	39	9					1,350
Fuel oils.....barrels.	3,026	2,270	1,387	1,146	736		183	249
Gasoline and other volatile oils.....barrels.	1,730	1,487	1,406	34			47	

¹ Includes 1 reduction mill operated independently of mines and 2 operations on dumps and old tailings.² Uranium and vanadium.³ Includes enterprises as follows: Asphalt, 3; clay, 3; flourspar, 1; gypsum, 2; iron ore, 2; mineral pigments, 1; phosphate rock, 1; sandstone, 2; slate, 1.⁴ Includes enterprises as follows: Gold, silver, copper, lead, or zinc, lode mines, 47; iron ore, 1.⁵ Includes 31 tons (net) anthracite coal.